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disorders related to the secreted proteins. The proteins, and polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of Lissues, for chemotaxis and for screening molecules that regeneration of Lissues, for chemotaxis and for screening molecules that used as food additives or preservatives, to increase or decrease storage used as food additives or preservatives, to increase or decrease storage aninerals, oc-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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Sequence 327 AA;

New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular

Claim 1; Page 177-178; 327pp; English.

disease

Gorgone GA, Corley NC, Guegler KJ, Baughn MR; Young J, Yue H, Patterson C, Reddy R, Hillman JL;

Au-Young J,

Tang Akerblom IE,

Lal P,

Bandman 0;

WPI; 2000-160673/14. N-PSDB; AAZ98136.

(INCY-) INCYTE PHARM INC

98US-0102686P. 98US-0112129P.

31-JUL-1998; 01-OCT-1998; 11-DEC-1998;

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240
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                                                                                                                                                                                                                                                                                                    61 FVQPGKFISESHPILYFYNGHLXPTGSKSKRVSLLQNPPTVGVATLKLTDVHFSDTGTYL 120
                                                                                                                                                                      COVNNPPDEYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSBGAPKPVYNWV 180
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                                                                                                                                                                                                                               RLGTFPTPSPGSWYQDEVSGQLILTMLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
                                                                                                                                                                                                                                             1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                         61 FVQPGKPISBSHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                Gaps
                                ö
Score 1692; DB 3; Length 327;
Pred. No. 7.4e-114;
0; Mismatches 1; Indels (
                                                                                                                                                                                                                                                                                                                                                   DSSKGFLERPSSASTVTTTKSKLPMVV 327
        Query Match
Best Local Similarity 99.7%;
Matches 326; Conservative (
                                                                                                                                                                                       121
                                                                                                                                                                                                                                            181
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AAZ98109 to AAZ98242 encode AAY87224 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have human signal apptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, cardiovascular and antisathmatic activities, and can be used to treat or prevent disorders associated with increased the sasociated with decreased activity or function of HSPP. Such diseases include cell proliferation activity or function of HSPP. Such diseases include cell proliferation activity or function of HSPP. Such diseases include cell proliferation activity or function of HSPP. Such diseases include cell proliferation contrological, including cancer), inflammation, cardiovascular, neurological, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, cirrhosis, psoriasis, microbial or other infections, congestive or asthma, Crohn's disease, Milaneira, ovalatory defects, muscular dystrophy). HSPP diseases, schizophrenia, ovalatory defects, muscular dystrophy), senticons, and monitoring), in gene therapy, as antisense, triplex-forming diagnosis and monitoring), in gene therapy, as antisense, triplex-forming expecific antibodies (Ab) and to screen for agonists and antagonists, in congetitive drug screens, and for purification of HSPP from natural

301 DSSKGFLERPSSASTVTTTKSKLPMVV 327

RESULT 2

11-MAY-2000

Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; erproductive disorder; developmental disorder; arteriosclerosis; cirrhosis; psoriaals; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; parkinson's disease; Huntington's diseases; ovulatory defect; muscular dystrophy

WO200000610-A2

98US-0090762P. 26-JUN-1998; 25-JUN-1999;

301

AAY87251; AAY87251

Homo sapiens

06-JAN-2000

Human signal peptide containing protein HSPP-28 SEQ ID NO:28. AAY87251 standard; protein; 327 AA. (first entry)

240 240 RVAGALIGVLIGVLILSVAAFCLVRFOKERGKKPKETYGGSDLREDALAPGISEHTCMRA 300 ö 180 180 9 RIGITPPTPSPGSMVQDBVSGQLILTNILSLISSGTYRCVATNOMGSASCELTLSVTEPPQG 181 RLGTFPTPSPGSMVQDEVSGQLLLTNLSLTSSGTYRCVATNQMGSASCELTLSVTBPSQG FVQPGKPISESHPILIYFTNGHLXPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL CONNINEPDETTINGLGLINLTVLVPPSNPLCSOSGOTSVGGSTALRCSSSEGAPKPVYNNV 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS Gapa ö Length 327; 1; Indels Score 1691; DB 3; pred. No. 8.8e-114; 0; Mismatches 1; DSSKGFLERPSSASTVITTKSKLPMVV 327 99.5%; Best Local Similarity 99.7 Matches 326; Conservative Sequence 327 AA; 301 121 61 61 121 181 Query Match 셤 ð 8 셤 ò g 셤 셤 8 ઠ 8

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121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
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Eur. J. Immunol. 28:4094-4104(1998).
EMBL; AF061022; AAD17522.1; -.
                                                                                                                                                                                                                                                                                                                                                                                     Created)
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WEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RIAURDER R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RIAURDER R.D., Colling F.S., Wagner L., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul R.F., Jordan H., Moore T., Max. S.I., Wang J., Hasheh F.,

Bothchenko L., Marusina K., Farmer A.A., Fubin G.M., Hong L.,

Rapleton M., Soares M.B., Bonaldo M.F., Carminci P., Prange C.,

Rapleton M., Soares M.B., Peters G.J., Abrameon R.D., Mullahy S.J.,

Raha S.S., Loquellano N.A., Peters G.J., Abrameon R.D., Mullahy S.J.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Nilalon D.K., Muzny D.M., Sodergren B.J., Lu X., Glibs R.A.,

Rachay J., Helton B., Ketteman M., Madan A.M., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Nandinger A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Norigues A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Norley S.M. Marra M.A.;

Marra M.A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;

Clark H.F., Gurney A.L., Abaya B., Baker K., Baldwin D., Brush J.,

Chen J., Chow B., Crowley C., Currell B., Dowd P.,

Baton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,

Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,

Lewis L., Liso D., Mark M., Robbie B., Sanchez C., Schoenfeld J.,

Seshagiri S., Simons L., Singh J., Smith V., Stinson J., Vagts A.,

Yandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D.,

Xi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,

Godowski P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins:
                                                                                                                Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99.2%; Score 1155; DB 2; Length 327; 100.0%; Pred. No. 2.1e-83; ive 0; Mismatches 0; Indels (
                     25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
V-set and immunoglobulin domain containing 2 (CTH Variant).
Name=VSIG2; ORFNames=UNQ2770;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TISSUR=Colon;
Director MGC Project;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
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A; 34348 MW; CF395AC7EF951AC1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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Genome Res. 13:2265-2270(2003).
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                                                                                                             Homo sapiens (Human)
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SEQUENCE FROM N.A.
MEDLINE=99077161; PubMed=9862345;
DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K., White S.J., Du Pasquier L., "CTX, a Xenopus thymocyte receptor, defines a molecular family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           143 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSWYQDBVSGQLI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
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                                                                                                                                                                                                                                                                                                                                                                                                                Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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01-UNA-2001 (TERMBLrel. 17, Created)
01-UNA-2004 (TERMBLrel. 17, Last sequence update)
01-UNA-2004 (TERMBLrel. 26, Last annotation update)
01-Mus musculus adult male stomach cDNA, RIKEN full-length elibrary, clone:22104131910 product:CTM homolog (Fragment)
Name=22104131910Rik;
Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PROSITE; PSS0835; IG LIKE; 2.
SEQUENCE 325 AA; 34239 MW; B7B5B664CBCFF4BE CRC64;
                                                                       LINLSLISSGIYRCVAINOMGSASCELTLSVIEPSOGRV 219
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/091982
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APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099803
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FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/095302
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APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER: 60/099811
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APPLICATION NUMBER: 60/
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                                                1998-05-2
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                                                                                      PRIOR
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APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Wacanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3530PL79
CURRENT APPLICATION NUMBER: 10/1027,884
CURRENT FILING DATE: 2002-04-06
PRIOR FILING DATE: 2002-04-06
                                                                                                              61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPFTVGYATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                      COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSSEGAPKPVYNWV
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                                                                              PVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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PRIOR PLING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR PLING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/064103
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Publication No. US20030027988A1
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PPLICATION NUMBER: 60/078910
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APPLICATION NUMBER: 60/069873
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APPLICATION NUMBER: 60/079294
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APPLICATION NUMBER: 60/079728
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APPLICATION NUMBER: 60/081955
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APPLICATION NUMBER: 60/085579
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PRIOR PLING DATE: 1998-11-17
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PRIOR PLING DATE: 1999-01-12
PRIOR PLING DATE: 1999-01-13
PRIOR PLING DATE: 1999-01-23
PRIOR PPLICATION NUMBER: 60/14038
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PRIOR PLING DATE: 1999-01-23
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PRIOR PLING DATE: 1999-01-23
PRIOR PLING DATE: 1999-01-17
PRIOR PLING DATE: 1999-01-16
PRIOR PLING DATE: 1999-01-16
PRIOR PLING DATE: 1999-01-16
PRIOR PLING DATE: 1999-01-16
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APPLICANT: Gurney, Augtin L.
APPLICANT: Stephan, Jean Phillippe P.
APPLICANT: Stephan, Jean Phillippe P.
APPLICANT: Stephan, Jean Phillippe P.
APPLICANT: Wateranabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: SECRETED AND THE SAME PRICE APPLICATION NUMBER: 10/119,480
FRICK RENT APPLICATION NUMBER: 10/119,480
FRICK APPLICATION NUMBER: 60/065913
FRICK PILING DATE: 2002-00-09
FRICK PILING DATE: 1997-10-17
FRICK PILING DATE: 1997-10-17
FRICK PILING DATE: 1997-10-17
FRICK APPLICATION NUMBER: 60/06349
FRICK APPLICATION NUMBER: 60/06349
FRICK PILING DATE: 1997-10-31
FRICK PILING DATE: 1997-12-17
FRICK PILING DATE: 1997-12-17
FRICK PILING DATE: 1997-12-17
FRICK APPLICATION NUMBER: 60/06393
FRICK APPLICATION NUMBER: 60/06393
FRICK APPLICATION NUMBER: 60/073294
FRICK PILING DATE: 1998-03-26
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                                                                                                                                 Length 327;
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                                                                                                                              Query Match 99.3%; Score 1277; DB 14; Best Local Similarity 100.0%; Pred. No. 8.7e-96; Matches 243; Conservative 0; Mismatches 0;
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Godowski, Paul J.
Grimaldi, J. Christopher
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PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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US-10-218-849-236

US-10-227-8873-236

US-10-227-8873-236

US-10-219-076-236

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US-10-219-075-236

US-10-219-464-236

US-10-219-464-236

US-10-219-466-236

US-10-219-481-236

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US-10-239-236-236

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PETERN No. US20020076705A1
GENERAL INFORMATION:
TAPLICANT: Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
PRIOR PILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR PILING DATE: 1998-10-02
NUMBER: OF SEQ ID NOS: 140
SOSTWARRE: PATENTIN VOICE: 200
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 ; ORGANISM: Homo sapiens
US-09-820-893-98
 US-09-820-893-98
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 SEQ ID NO 98
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Sequence 98, Appl
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                                                                               August 4, 2005, 06:13:42; Search time 66.0997 Seconds (without alignments) 1447.018 Million cell updates/sec
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1 MAELPGPFLCGALLGFLCLS......ASCELTLSVTEPSQGRVAEL
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| Cgn2_6/ptodata/1/pubpaa/USO6_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USO7_NEW PUB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USO8_WW PUB.ppp:*
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| Cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.ppp:*
| Cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.ppp:*
            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-820-893-98
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US-10-227-884-236
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Maximum Match 100%
Listing first 45 summaries
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ADPLICANT: Rosen et al.; TILLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1; CURRENT APPLICATION NUMBER: US/10/607,565; CURRENT FILING DATE: 2003-06-27; PRIOR APPLICATION NUMBER: US/09/531,119; PRIOR FILING DATE: 2000-03-20; PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23; PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02; NUMBER: OF SEQ ID NOS: 140; SOFTWARE: PatentIn Ver. 2.0
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; OTHER INFORMATION: Xaa equals stop translation
US-09-820-893-83
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OTHER INFORMATION: Xaa equals stop translation
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION WUMBER: 60/102,895
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 83
LENGTH: 246
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ORGANISM: Homo sapiens
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US-10-607-565-83
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LENGTH: 246
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FILLE REFERENCE: PSO33P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR FILING DATE: 2000-08-3
PRIOR FILING DATE: 2000-08-8
PRIOR FILING DATE: 2000-08-8
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PATENTIN VEV. 2.0
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Patent No. US20020076705A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
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;; Pred. No. 1.1e
0; Mismatches
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US-10-607-565-98
; Sequence 98, Application US/10607565
; Publication No. US20040048294A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0%;
Matches 245; Conservative 0
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LENGTH: 245
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R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/093816
R APPLICATION NUMBER: 60/100038
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-11
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R APPLICATION NUMBER: 60/089538
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089905
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/090472
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R APPLICATION NUMBER: 60/090695
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/091982
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R APPLICATION NUMBER: 60/095302
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R FILING DATE: 1998-08-17
R FILING DATE: 1998-08-26
R FILING DATE: 1998-08-26
R FILING DATE: 1998-08-36
R PILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099596
R FILING DATE: 1998-09-09
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R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
APPLICATION NUMBER: 60/100848
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R FILING DATE: 1998-09-23
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R APPLICATION NUMBER: 60/101738
R FILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/101741
R PILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
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APPLICATION WINBER: 60/106248
LING DATE: 1998-10-29
APPLICATION NUMBER: 60/106464
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APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
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APPLICATION NUMBER: 60/095318
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APPLICATION NUMBER: 60/106178
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FILING DATE: 1998-09-10
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APPLICANT: Baker, Kevin P.

APPLICANT: Gerritean, Mary
APPLICANT: Gerritean, Mary
APPLICANT: Gerritean, Mary
APPLICANT: Gerritean, Mary
APPLICANT: Godowski, Audrey
APPLICANT: Godowski, Audrey
APPLICANT: Gurmaldi, J. Christopher
APPLICANT: Watanabe, J. Colin L.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: 2002-06-26
FRIOR APPLICANTON NUMBER: 60/061349
FRIOR APPLICANTON NUMBER: 60/06349
FRIOR FILING DATE: 1997-10-11
FRIOR APPLICANTON NUMBER: 60/07928
FRIOR FILING DATE: 1998-03-26
FRIOR APPLICANTON NUMBER: 60/07928
FRIOR APPLICANTON NUMBER: 60/08204
FRIOR PILING DATE: 1998-04-15
FRIOR APPLICANTON NUMBER: 60/08204
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FRIOR FILING
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FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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APPLICANT: Grimal, victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLBIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: U0/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05917
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR PELICATION NUMBER: 60/06873
PRIOR PLICATION NUMBER: 60/06893
PRIOR PLICATION NUMBER: 60/07894
PRIOR PLICATION NUMBER: 60/07924
PRIOR PLICATION NUMBER: 60/07924
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                                                                                                            Query Match 99.3%; Score 1277; DB 14; Best Local Similarity 100.0%; Pred. No. 8.7e-96; Matches 243; Conservative 0; Mismatches 0;
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Godowski, Paul J
Grimaldi, J. Christopher
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y, Sequence 236, Application US/10230163

; Publication No. US20030036635A1

; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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NR APPLICATION NUMBER: 60,082804

RR FILING DATE: 1998-04-22

RAPPLICATION NUMBER: 60/08441

RR FILING DATE: 1998-05-06

RR APPLICATION NUMBER: 60/085323

RR FILING DATE: 1998-05-13

RR FILING DATE: 1998-05-13

RR FILING DATE: 1998-05-15

RR FILING DATE: 1998-05-15

RR APPLICATION NUMBER: 60/086392 R FILING DATE: 1998-05-22 R APPLICATION UNMERS: 60/089532 R FILING DATE: 1998-06-17 R APPLICATION NUMBER: 60/089538 R APPLICATION NUMBER: 60/089905 R APPLICATION NUMBER: 60/089905 R FILING DATE: 1998-06-18 R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R APPLICATION NUMBER: 60/099812
R APPLICATION NUMBER: 60/099812
R APPLICATION NUMBER: 60/099816
R APPLICATION NUMBER: 60/099816
R APPLICATION NUMBER: 60/10038
R APPLICATION NUMBER: 60/10038
R APPLICATION NUMBER: 60/10038 APPLICATION NUMBER: 60/090557
PILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
APPLICATION APPLICATION NUMBER: 60/095318 FILING DATE: 1998-08-04 APPLICATION NUMBER: 6/095916 FILING DATE: 1998-08-10 APPLICATION NUMBER: 60/090472 FILING DATE: 1998-06-24 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090695 APPLICATION NUMBER: 60/091982 FILING DATE: 1998-07-07 APPLICATION NUMBER: 60/095302 APPLICATION NUMBER: 60/096146 FILING DATE: 1998-08-11 APPLICATION NUMBER: 60/096791 FILING DATE: 1998-08-17 APPLICATION NUMBER: 60/097986 FILING DATE: 1998-08-26 APPLICATION NUMBER: 60/098544 FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099598
FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099803 FILING DATE: 1998-09-15
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APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 APPLICATION NUMBER: 60/090691 FILING DATE: 1998-06-25 FILING DATE: 1998-08-31 APPLICATION NUMBER: 60/099596 FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-06-25 FILING DATE: 1998-04-15 FILING DATE: 1998-09-16 1998-08-04 FILING DATE: 1998-09-24 FILING DATE: PRIOR PRIOR
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R PLING DATE: 1999-02-10

R APPLICATION NUMBER: 60/123618

R APPLICATION NUMBER: 60/12559

R APPLICATION NUMBER: 60/12559

R FILING DATE: 1999-03-19

R PILING DATE: 1999-03-18

R FILING DATE: 1999-03-23

R PLING DATE: 1999-03-23 R FILING DATE: 1998-10-28
R APPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
A PAPLICATION NUMBER: 60/106464
R FILING DATE: 1998-10-30
R APPLICATION NUMBER: 60/106905 R FILING DATE: 1998-12-22
R APPLICATION NUMBER: 60/113605
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/113621
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/115558
R FILING DATE: 1999-112 R FILING DATE: 1999-03-29
R APPLICATION NUMBER: 60/127887
R FILING DATE: 1999-04-05
R APPLICATION NUMBER: 60/130232
R FILING DATE: 1999-04-21
R APPLICATION NUMBER: 60/131022 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60101922
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/140650 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 APPLICATION NUMBER: 60/112422 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-08-03 APPLICATION NUMBER: 60/149320 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 APPLICATION NUMBER: 60/108801 FILING DATE: 1998-11-17 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638 1999-07-28 FILING DATE: 1999-01-12 FILING DATE: 1999-07-26 FILING DATE: 1999-04-27 FILING DATE: 1998-11-PRILICA PRILICA PRILIC

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APPLICANT: Wood, William I.
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC14
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      PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR PLILNG DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
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Pred. No. 8.7e-96;
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CURRENT APPLICATION NUMBER: US/10/218,631
CURRENT FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR APPLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR APPLICATION NUMBER: 60/06973
PRIOR APPLICATION NUMBER: 60/069873
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Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Srephan, Jean-Philippe F.
Watanabe, Colin L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 243; Conservative
                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236
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Best Local Similarity
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritean, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood WILL 1997-10-17
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
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PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR FILING DATE: 1999-08-31
PRIOR PELING DATE: 1999-10-09
PRIOR PEPLICATION NUMBER: 60/164418
PRIOR PEPLICATION NUMBER: 60/166361
PRIOR APPLICATION NUMBER: 60/169445
PRIOR APPLICATION NUMBER: 60/169495
PRIOR PELING DATE: 1999-12-07
PRIOR PELING DATE: 1999-12-07
PRIOR PELING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169495
PRIOR APPLICATION NUMBER: 60/169495
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Publication No. US20030044934A1
GENERAL INFORMATION:
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Besnoyers, Luc
APPLICANT: Gerritaen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: WOOD WINDER: US/10/232,224
CURRENT APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063849
PRIOR APPLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06313
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PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PREMAINING PRIOR APPLICATION NUMBER: 60/07978
PRIOR FILING DATE: 1998-03-27
PREMAINING PRIOR APPLICATION DATE: 0908-03-27
PROPERTY OF SEQ ID NOS: 246
SEQ ID NO 236
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                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo Sapien
US-10-230-414-236
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geartitaen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Matanabe, Colin L.
APPLICANT: Matanabe, Colin L.
APPLICANT: Matanabe, Colin L.
APPLICANT: Matanabe, Colin L.
APPLICANT: Mood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE OF INVENTION NUMBER: 10/119, 480
PRIOR FILING DATE: 1997-09-17
PRIOR PRILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-11
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                          PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
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US-10-230-414-236
; Sequence 236, Application US/10230414
; Publication No. US20030050448A1
; GENERAL INFORMATION:
   FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-236
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Sequence 216, Application US/10218849
; Sequence 216, Application US/10218849
; Publication No. US20030073814A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gederaid, Audrey
; APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J Christopher
; APPLICANT: Grimaldi, J Christopher
; APPLICANT: Grimaldi, J Christopher
; APPLICANT: Sephan, Jean-Philippe F.
; APPLICANT: Smith, Victoria
; APPLICANT: Macanabe, Colin L.
; APPLICANT: Macanabe, Colin L.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REPERENCE: PS530PLC11
; CURRENT FILING DATE: 2002-08-12
; PRIOR TRILING DATE: 2002-08-12
; PRIOR TRILING DATE: 2002-08-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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   PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR PILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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CORGANISM: Homo Sapien
US-10-218-849-236
                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CORGANISM: Homo Sapien
US-10-216-159A-236
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Best Local Similarity
Matches 243; Conserv
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritaen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Seephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: PRIOR PILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181 RLGTFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
LENGTH: 327
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.0
Matches 243; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-224-236
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R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/091982
R APPLICATION NUMBER: 60/095302
R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
R PILING DATE: 1998-08-04
R FILING DATE: 1998-08-04
R PILING DATE: 1998-08-04
                                                                              R FILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/086392
R FILING DATE: 1998-05-22
R APPLICATION NUMBER: 60/08932
R PILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089538
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089905
R FILING DATE: 1998-06-18
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089472
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R APPLICATION NUMBER: 60/090557
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090691
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090695
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R APPLICATION NUMBER: 60/097986
R FILING DATE: 1998-08-26
R APPLICATION NUMBER: 60/09544
R FILING DATE: 1998-08-31
R APPLICATION NUMBER: 60/095596
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APPLICATION NUMBER: 60/100385
FILING DATE: 1998-09-15
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FILLING DATE: 1998-09-15
                                     FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/096146
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APPLICATION NUMBER: 60/099811
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APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/101738
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APPLICATION NUMBER: 60/096791
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APPLICATION NUMBER: 60/099812
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          PRILICA REPUBLICA REPUBLIC
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APPLICANY: Stephan, Jean-Philippe F.
APPLICANY: Stephan, Jean-Philippe F.
APPLICANY: Watanabe, Colin L.
APPLICANY: Wacod, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REPERENCE: P35.0PLC72
CURRENT APPLICATION NUMBER: US/10/227, 873
CURRENT FILING DATE: 2002-08-26
PRIOR FILING DATE: 2002-09-26
PRIOR PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/05139
PRIOR FILING DATE: 1997-10-21
PRIOR PLING DATE: 1997-10-21
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1998-10-3-6
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-26
PRIOR PRILING DATE: 1998-03-26
PRIOR PLING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/08195
PRIOR PLING DATE: 1998-04-22
PRIOR PRILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/08195
PRIOR PLING DATE: 1998-04-22
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                                                                                   1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                     0; Gaps
                                   Indels
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        Pred. No. 8.7e-96;
0; Mismatches 0;
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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5. US20030073816A1
     100.08;
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Chri
                                243; Conservative
Best Local Similarity
Matches 243; Conserv
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Publication No. US20
GENERAL INFORMATION:
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APPLICANT:
APPLICANT:
APPLICANT:
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OR PILING DATE: 1999-01-12
OR APPLICATION NUMBER: 60/115565
OR PILING DATE: 1999-01-12
OR PILING DATE: 1999-01-12
OR APPLICATION NUMBER: 60/115565
OR APPLICATION NUMBER: 60/115733
OR FILING DATE: 1999-02-10
OR APPLICATION NUMBER: 60/12549
OR FILING DATE: 1999-03-10
OR APPLICATION NUMBER: 60/12529
OR PILING DATE: 1999-03-10
OR APPLICATION NUMBER: 60/126775
OR APPLICATION NUMBER: 60/126773
OR APPLICATION NUMBER: 60/130323
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R APPLICATION NUMBER: 60/140650

R FILING DATE: 1999-06-22

R APPLICATION NUMBER: 60/140723

R FILING DATE: 1999-06-22

R APPLICATION NUMBER: 60/141037

R FILING DATE: 1999-06-23
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APPLICATION NUMBER: 60/131022
FILING DATE: 1999-04-26
APPLICATION NUMBER: 60/131270
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APPLICATION NUMBER: 60/164418
FILING DATE: 1999-11-09
FILING DATE: 1998-10-28
APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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APPLICATION NUMBER: 60/106905
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APPLICATION NUMBER: 60/108787
FILING DATE: 1998-11-17
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FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849
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APPLICATION NUMBER: 60/113605
FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
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APPLICATION NUMBER: 60/115558
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APPLICATION NUMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
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FILING DATE: 1999-07-20
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FILING DATE: 1999-07-28
APPLICATION NUMBER: 60/146963
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APPLICATION NUMBER: 60/149320
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APPLICATION NUMBER: 60/151733
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APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/113296
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APPLICATION NUMBER: 60/131291
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  PRIOR PRIOR
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APPLICANT: Geridad, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Goddweki, Paul J.
APPLICANT: Gridaldi, J. Christopher
APPLICANT: Gridaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC78
CURRENT PELLON NUMBER: US/10/27,883
CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR PLILOR DATE: 1997-09-17
PRIOR PLILOR DATE: 1997-10-17
PRIOR FLILNG DATE: 1997-10-17
PRIOR PLILOR DATE: 1997-10-21
PRIOR PLILOR DATE: 1997-10-21
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PRIOR PLILOR DATE: 1997-10-20
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PRIOR PLILOR DATE: 1997-10-30
PRIOR PLILOR DATE: 1998-03-26
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100.0%; Pred. No. 8.7e-96;
ive 0; Mismatches 0;
PRIOR APPLICATION NUMBER: 60/166361
PRIOR FILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/169445
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169495
PRIOR APLICATION NUMBER: 60/169495
PRIOR APPLICATION NUMBER: 60/169935
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Publication No. US20030073817A1
                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 243; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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## PRIOR FILING DATE: 1938-03-27
## PRIOR FILING DATE: 1938-04-15
## PRIOR PARLICATION WURBER: 60/081955
## PRIOR PAPLICATION WURBER: 60/0819441
## PRIOR PAPLICATION WURBER: 60/085323
## PRIOR PAPLICATION WURBER: 60/085333
## PRIOR PAPLICATION WURBER: 60/1003333
## PRIOR PAPLICATION WURBER: 60/10033333
## PRIOR PAPLICATION WURBER: 60/100333333333333333333333333333333
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R FILING DATE: 1998-12-22
R APPLICATION NUMBER: 60/113605
R PILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/113621
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/11558
R HILING DATE: 1999-01-12 APPLICATION NUMBER: 60/112422 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 FILING DATE: 1998-09-25
APPLICATION NUMBER: 60/101916
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178 FILING DATE: 1998-10-28 APPLICATION NUMBER: 60/106248 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-26 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 FILING DATE: 1998-10-29 APPLICATION NUMBER: 60/106464 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/108849 APPLICATION NUMBER: 60/115565 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 APPLICATION NUMBER: 60/126773 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/140650 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/140723 FILING DATE: 1998-10-30 FILING DATE: 1998-11-17 FILING DATE: 1998-11-18 FILING DATE: 1999-01-12 FILING DATE: 1999-03-23 FILING DATE: 1999-03-29 FILING DATE: 1999-05-14 1999-07-20 PRILICA PRILIC

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APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddward, Audrey
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C62
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CURRENT FILING DATE: 2002-08-14
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR PILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PLILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063849
PRIOR PLILING DATE: 1997-10-17
PRIOR PLILING DATE: 1997-10-17
PRIOR PLILING DATE: 1997-10-38
PRIOR PILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/149638
PRIOR PILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/164418
PRIOR PILING DATE: 1999-11-09
PRIOR PILING DATE: 1999-11-16
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PRIOR PILING DATE: 1999-12-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc
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PRIOR APPLICATION NUMBER: 60/069873

PRIOR FILING DATE: 1997-12-17

PRIOR PELLON NUMBER: 60/078910

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PRIOR PELLON NUMBER: 60/079294

PRIOR PELLON DATE: 1998-03-25

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NUMBER OF SEQ ID NOS: 246

LENGTH: 327
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US-10-219-076-236
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0961Q7 PRELIMINARY; PRT; 327 AA.
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                                                                                                                                              August 4, 2005, 05:56:06 ; Search time 61.3592 Seconds
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Q6nw88
Q9tu80
Q925f2
Q91w66
P97792
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                  GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                                     - protein search, using sw model
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A33 HUMAN
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A33 MOUSE
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Gapop 10.0 , Gapext 0.5
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Q9YGH1
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2: uniprot_trembl:*
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Maximum DB seq length: 200000000
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Match Length DB
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Q91067 rattus norv
Q91066 rattus norv
Q91044 homo sapien
Q91044 homo sapien
Q91079 sus scrofa
Q91079 sus scrofa
Q95ki3 macaca fasc
Q8173 mus musculu
Q8137 mus musculu
Q814G0 rattus norv
Q91654 homo sapien
Q92055 mus musculu
Q64003 xenopus tro
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EMBL, AKO00460; BAA91179.1; -
EMBL, AKO00460; BAA91179.1; -
InterPro; IPR00710; Ig-1ike.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human).

Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ20453.
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                                                                                                                                                                                                                                                                                                                                                                                                                  284 AA
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                09R067
09R066
0804R4
09UKV4
CXAR HUMAN
09TU79
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                                                                                                                               Q8WMV3
Q95KI3
Q8R373
Q8KIG0
Q9H6B4
Q920S5
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PPSNPLCSOSGOTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVODEVSGOLI 180
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Matches 217; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
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    121
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Alausner R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahar N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bahar N.K.,
A Block B. B., More T., Max S.I., Hang J., Heibh F.,
Sa Brapleton M., Soares M.B., Bonaldo M.F., Carannoi P., Frange C.,
A Brownstein M.J., Usdin T.B., Tooshiyuki S., Carannoi P., Frange C.,
A Brownstein M.J., Usdin T.B., Tooshiyuki S., Carannoi P., Frange C.,
A Brownstein M.J., Widin T.B., Tooshiyuki S., Carannoi P., Frange C.,
A Brownstein M.J., Wadin T.B., Tooshiyuki S., Carannoi P., Frange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Bask S.A., McKwan P.J., McKernan R.J., Madek J.A., Ghabs R.A.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
A Nhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Mhiting M., Andan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Jones S.J., Marra M.A.,
A Marra 
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
V-set and immunoglobulin domain containing 2 (CTH Variant)
Name-VSIG2; ORFNames-UNQ2770;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
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; 34348 MW; CF395AC7EF951AC1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.2%; Score 1155; DB 2; 100.0%; Pred. No. 2.1e-83; ive 0; Mismatches 0;
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nterPro, IPR007110; Ig-like.
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Genome Res. 13:2265-2270(2003).
BmBL; BCO07313; AAH07313.1; --
EMBL; AY358897; AAQ89256.1; --
HSSP; O88792; 1F97.
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Matches 220; Conservative
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                                                                  Homo sapiens (Human)
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PROSITE; PS50835; I
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144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=99077161; PubMed=9862345; MEDLINE=99077161; PubMed=9862345; MEDLINE=99077161; PubMed=9862345; DoI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U; Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K., White S.J., Du Pasquier L.; Courtet L.; Careceptor, defines a molecular family conserved throughout vertebrates."; Eur. J. Immunol. 28:4094-4104(1998). Eur. J. Immunol. 28:4094-4104(1998). EMBL; AF061022; AAD17522.1; -.. HSSP; O88792; IF97. Gintegral to plasma membrane; TAS. Go; Go:0005887; Cimmedrane fraction; TAS. InterPro; IPRO07110; 19-1ike.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male stomach cDNA, RIKEN full-length enriched
library, clone:2210413P10 product:CTM homolog (Fragment).
Name=2210413P10Rik;
Mus musculus (Mouse).
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                                                                                  181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220
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Last annotation update)
                                                                                                                          204 LINLSLISSGTYRCVAINQMGSASCELTLSVTEPSQGRVA
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                    Query Match
                                     Best Local
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Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Anakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
A Hanaqaki T., Hara A., Hayatsu N., Hiramoto K., Hiracka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
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A Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
A Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Tejima Y., Toya T., Yanamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
L. Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.

EMBL, AKO08920; BAB259681; -.
REMBL, MGD1:1928009; 2210413P10Rik.
                                                                                                                                                                                                                                                                                                       STRAIN=CS7BL/6J; TISSUB=Stomach;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I & II Team;
analysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                     SECHENCE FROM N.A.
SERALN=C57BL/6J; TISSUE=Stomach;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Whormalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
                                                            SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Stomach;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=C57BL/G1 TISSUE=Stomach,
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=110.7861; S. Saeaki N., Carninci P., Sumi N., Ishii Y., Nishi K., Kitsunai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Mateumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.; Sequencing pipeline with 384 multicapillary sequencer.";
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                                                                                                                                                                                          "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                          SEQUENCE FROM N.A.
STRALM-C57BL/60; TISSUE-Stomach;
MEDLINE-21085660; Pubmed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
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PERMIS SMO0405; ig; 1.
SMART, SMO0406; IGv; 1.
PROSITE; PS50835; IG LIKE; 2.
NOW TER 304
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InterPro; IPR003596; Ig_v.
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                                WCBI_TaxID=10090;
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DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
White S.J., Du Pasguier L.;
"CTX, a Xenopus thymocyte receptor, defines a molecular family
                                                                                                                                                                                                                                                          25 VEVIVOPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQPGKPISASVPVLYFTNGHLY
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                                                                                                             1 VEVKVPTEPLSTPLGKTAELICTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Length 304;
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82.5%; Score 960; DB 2; Length 32
Best Local Similarity 83.2%; Pred. No. 5.7e-68;
Matches 183; Conservative 13; Mismatches 24; Indels
                                                        21; Indels
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InterPro; IRR007110; Ig-like.
InterPro; IRR003006; Ig_MHC.
InterPro; IRR003566; Ig_V.
Pfam; PF00047; ig; 1.
SMART; SM00406; IGV; 1.
PROSITE; PS500835; IG_LIKE; 2.
PROSITE; PS000290; IG_MHC; UNKNOWN 1.
SRQUENCE 328 AA; 34258 MW; ODĀ4C7BF7E221255 CRC64;
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01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA
Score 982; DB 2;
Pred. No. 9.5e-70;
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                                                        13; Mismatches
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Eur. J. Immunol. 28:4094-4104(1998)
EMBL; AF061024; AAD17524.1; -.
  84.4%;
                                                        Matches 186; Conservative
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                             Similarity
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STRAIN=C57BL/6J; TISSUE=Whole body;

X MEDLINE=20530913; Pubmed=11076861; DOI=10.1101/gr.152600;

X MEDLINE=20530913; Pubmed=11076861; DOI=10.1101/gr.152600;

X Shibata K., Itch M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Andono H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itch M., Andramoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Andramoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., R. Pujwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watshiki M., R. Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y., R. Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y., R. R.KEW integrated sequence analysis (RISA) system-384-format Genome Res. 10:1757-1771(2000).
                                                                                                                                                                              01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Mus musculus 18-day embryo whole body CDNA, RIKEN full-length enriched library, clone:1190004815 product:CTM homolog.
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STRAINE-STBL/61/ IISSUB=Whole body;
The FANTOM Consortium,
the RIKEN Genome Exploration Research Group Phase I & II Team;
the RIKEN Genome Exploration Research Group Phase I & II Team;
Manalysis of the mouse transcriptome based on functional annotation of
60,770 full-length cDNAs.";
Nature 420:563-573(2002).
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STRAIN=CSTBL/6J; TISSUE=Whole body;
STRAIN=CSTBL/6J; TISSUE=Whole body;
MEDLINE=204999374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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STRAIN-C57BL/6J; TISSUE-whole body;
Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito H., Saito R., Sakai C., Sakai K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
STRAIN=CS7BL/6J; TISSUE=Whole body;
MEDLINE=99279283; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
STRAIN=CS7BL/6J; TISSUB=Whole body;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
205 LTNLSLTSSGTYRCVASHQMGSASCELNLSVTDSSDGRVA 244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                           248 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RIKEN FANTOM Consortium;
                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                            Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                  Name=2210413P10Rik;
                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=10090;
                                                                                                                                        09D0T4
                                                                                            RESULT
Q9D0T4
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                                                                                                                                                                                                                                                                                                                                                                                            CHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNGGILNV 117
                                                                                                                                                                                                                                                                                                                                           82
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T., Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T., Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M., Muramatsu M., Hayashizaki Y., Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                 23 GLATLKLTDLRPSDTGTYLCNVNNPPDFYTNGLGLINLTVLVPPSHPLCSQSGQTSVGGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  79 GVATLKLIDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N
                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                85; Indels 14; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
DJ898JN15.1 (Novel protein similar to X. laevis Cortical Thymocyte
Marker CTX) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                               Length 248;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 259;
                                                                                                                                                                                                                                           56.4%; Score 656; DB 2; Length 24 88.0%; Pred. No. 4.8e-44; ive 7; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Grafham D.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
BMBL; AL031177; CAA20116.1; -.
HSSP; 088792; 1F97.
InterPro; IPR007110; 19-1ike.
InterPro; IPR003598; 1g_c2.
Pfam; PF00047; 1g; 1.
                                                                                                                                                          Pfam; PF00047; 1g; 1.
SMART; SM00408; IGc2; 1.
PROSITE; PS50835; IG LIKE; 1.
SEQUENCE 248 AA; Z6061 MW; 3146D8F85BD3BD81 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  259 259
259 AA; 27813 MW; 66B729303B9A6B18 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30.2%; Score 352; DB 2;
34.2%; Pred. No. 5.9e-20;
tive 47; Mismatches 85;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         259 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                           199 QMGSASCELTLSVTEPSQGRVA 220
                                                                                                                                                                                                                                                                                                                                                                                                                                                              143 OMGSASCELNLSVTDSSEGRVA 164
                                                                                                           MGD; MGI:1928009; 2210413P10Rik.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                               EMBL; AK004478; BAB23323.1; -. HSSP; O88792; 1F97.
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SMART; SM0408; IGc2; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                              Best Local Similarity 88.0
Matches 125; Conservative
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wes 76; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
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SEQUENCE
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Matches
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RESULT 9
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**Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
**Atlasher R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,
**Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
**A Altschul S.P., Zeeberg B., Buetow M.F., Casavant T.L., Scheetz T.E.,
**Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
**A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
**A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
**A Richards S., Worley K.C., Hals, Scherson R.J., Lu X., Gibbs R.A.,
**A Richards S., Worley K.C., Hals, S., Garcia A.M., Gay L.J., Hulyk S.W.,
**A Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
**A Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
**A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
**A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
**A Tones S.J., Marra M.A.;
**Generation and initial analysis of more than 15,000 full-length human
**A deneration and initial analysis of more than 15,000 full-length human
**A deneration and initial analysis of more than 15,000 full-length human
                                               117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The German cDNA Consortium;
Ottenwaelder B., Obermaier B., Deutschenbaur S., Schaipp A.,
Newse H.W., Weil B., Amid C., Osanger A., Pobo G., Han M., Wiemann S.;
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC043216; AAH43216.1;
EMBL; BX648658; CAH56142.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
25-GCT-2004 (TrEMBLrel. 28, Last annotation update)
V-set and immunoglobulin domain containing 1 (Hypothetical protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                           176 SGOLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPSOG 217
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387 AA; 41811 MW; F5D39F3B21FF1D0D CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=VSIG1; Synonyms=DKFZp686I1638;
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InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_C2.
InterPro; IPR000920; Myelin_P0.
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                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
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SEQUENCE 3
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                                                                                                                                                                                                                                                                                                                              RESULT 8
1086XX7
1086XX7
10 01-J
10 11-J
10 11-J
10 12-J
10 11-J
10 11
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117 TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTPPTPSPGSMVQDEV 175
                                                                                                                                                                                                                                           35 SVLVKPSKPLCSVQGRPETGHTISLSCLSALGTPSPVYYWHKLEGRDIVPVKENF--NPT 192
                                                                                                                                            GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINL 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV 175
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                                                                                                                                                               1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                      14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14;
; Score 352; DB 2; Length 387;
; Pred. No. 9.5e-20;
47; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  30.2%; Score 352; DB 2; Length 412; 34.2%; Pred. No. 1e-19; ive 47; Mismatches 85; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               412 AA; 44702 MW; C1B4E005F0882C45 CRC64;
                                                                                                                                                                                                                                                                                                              : | | : : | | : | | : | : | : | | : | | : | | TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG
                                                                                                                                                                                                                                                                                           176 SGQLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein DKPZp686A1239 (Fragment).
 30.2%;
Query Match
Best Local Similarity 34.2<sup>1</sup>
Matches 76; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=DKFZp686A1239;
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les 76; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
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Query Match
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                                                                                                                                                           01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male testis cDNA, RIKEN full-length enriched
11brary, clone:4930405024 product:similar to DJ889N15.1 (NOVEL PROTEIN
SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE MARKER CTX).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the RIKEN Genome Exploration Research Group Phase I & II Team; "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs."; Nature 420:563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
STRANT=C57BL/6J; TISSUB=Testis;
MEDLINE=C57BL/6J; TISSUB=Testis;
MEDLINE=C9499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itch M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
"Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=CS7BL/6J; TISSUE=Testis;
Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
                                                                                                                                                                                                                                                                                                                                          STRAIN=CS7BL/6J; TISSUE=Testis;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=C57BL/GJ; TISSUE=Testis;
MEDLINE=C57BL/GJ; TISSUE=Testis;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M., Sumamoto R., Harada A., Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara B., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
"RIKEN integrated sequence analysis (RISA) system-384-format
                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN-C57BL/6J; TISSUE-Testis;
MEDLINE-21085660; PubMed=11217851; DOI=10.1038/35055500;
          176 SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 217
                            218 TGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVG 259
                                                                                                                                                                                                                                                                                                                                                                        Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=C57BL/6J; TISSUE=Testis; The FANTOM Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Genome Res. 10:1757-1771(2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIKEN FANTOM Consortium;
                                                                                                                  PRELIMINARY;
                                                                                                                                                                                                                                      Name=4930405J24Rik;
Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                 NCBI_TaxID=10090;
                                                                                                                                              1-JUN-2001
                                                                                                                09D2J4
                                                                                                  Q9D2J
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Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Saki K.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A. Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tajima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
BEL, AKO1955; BAB31795.1; -.
ROS, GO:001565; BAB31795.1; -.
ROS, GO:0016620; Cimembrane; IEA.
RITHEPTO; IPRO07110; Ig-like.
RITHEPTO; IPRO01999; Myelin_PO.
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MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

A Straubberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

A Klausher R.D., Collins F.S., Magner L., Shemmen C.M., Schuler G.D.,

A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

A Diatchenko L., Marusina K.P., Farmer A.A., Rubin G.M., Hong L.,

A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

B Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

B Diatchenko L., Marusina N.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

B Rownstein M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

R Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

B Sosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Marushy D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Fahey J., Helton E., Ketteman M., Madan A., Roung A.C., Shevchenko Y., Bouffard G.G.,

B Hakeeley R.W., Touchman J.W., Green B.D., Dickson M.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEVSG 177
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23 VQVIIPDIFVNVTVGSNVTLLCLYTTTEKSLEKLSIQWSFFH-NKEMEEPISIYYSEGGQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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Bukaryota; Matazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6
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01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Brain and testis-specific immunoglobin superfamily protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      407 AA; 44014 MW; B7094F818B868680 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    178 QLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28.6%; Score 332.5; DB 2 32.7%; Pred. No. 3.5e-18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          41; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (TrEMBLrel. 22, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PROSITE; PS50835; IG LIKE; 2. SEQUENCE 407 AA; 44014 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRINTS; PR00213; MYELINPO.
SMART; SM00408; IGC2; 1.
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les 72; Conservative
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78 SLSGPSYKNRVTAAMSP---GNATITISNMQSQDTGIYTCEVLNLDE--SSGQGKILLTV 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          119 LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL--GTFPTPSPGSMVQDEVS 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      79 SYSYGEFKDRITAATSP---GNASITISNMQPSDTGSYTCEVPSPQDDAGQSQKSVIVAV 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      136 LVKPSKPPCKIEGTPEKGHLIYLLCKCDOGLPHPTYRWYKVDE-NTLTPVTEYFNPDTGI 194
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                                                                                                 1 VEVKVPTEPLSTPLGKTAELTCTY -- STSVGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                               20 VQVIIQNPIINVISGQNATLYCTYILNNQNKNNLVIQWNIFQAKSQNQFT--VFFYQNGQ
                                                                                                                                                                                                                                                                            59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 VEVKVPTEPLSTPLGKTAELTCTYSTS - - VGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
STRAIN=H.B19; TISSUE=Thymus;
Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
             14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               26.8%; Score 311.5; DB 2; Length 335; llarity 33.5%; Pred. No. 1.3e-16; Conservative 43; Mismatches 89; Indels 9
             84; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vainio O.;
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; Y14064; CAA74391.1; -.
HSSP; P78310; 1KAC.
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22 335 ChTl thymocyte antigen.
335 AA, 36509 MW, AA6159598079B438 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
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             Mismatches
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             40;
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SMART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
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             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
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les 71; Conserv
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             75;
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09PWR4
AC 09PWR
DT 01-MA
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             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      60 YPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQ 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 VEVKVPTEPLSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKPISESHPILYFTNGHL 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.; Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences."; Action 1900 full-length human bases and mouse cDNA sequences."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of
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21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "CTX, a novel molecule specifically expressed on the surface cortical thymocytes in Xenopus.";
Eur. J. Immunol. 26:780-791(1996).
EMBL; U43130; AAC58999.1; -.
HSSP; P78310; IXAC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A., Courtet
Du Pasquier L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 318;
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                                                                                                                                                                                                                                                                                                                                                                                                Strausberg R., Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
Pfam; PR00047; ig; 1.
SWART; SW00408; IGc2; 1.
SWART; SW50835; IG LIKE; 2.
SEQUENCE 430 AA; 46245 MW; E53PC71BC10D049D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam; PF00047; ig; 1.
SMART; SM00409; IG; 2.
PROSITE; PS50935; IG LIKE; 2.
SEQUENCE 318 AA; 34429 MW; 6231D24B0B806C09 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                         Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28.3%; Score 329.5; DB 2; 34.7%; Pred. No. 6.5e-18; iive 35; Mismatches 101;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 179 LILINLSLTSSGTYRCVATNOMGSASCELTLSVTEP 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27.1%; Score 316; DB 2; 35.2%; Pred. No. 5.3e-17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       318 AA
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STRAIN-£f; TISSUE-Thymus;
MEDLINE-96210130; PubMed-8625968;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; BC034411; AAH34411.1;
HSSP; P78310; 1EAJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 34.7%
les 75, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genew; HGNC:16669; IGSF11.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A. TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=8355;
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTPPTPSPGSMVQDEVSGQ 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            136 LVKPSKPPCKIEGTPEKGHLIYLLCKCDQGLPHPTYRWYKVDE-NTLTPVTEYFNPDTGI 194
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MEDLINES9077161; PubMed=8862345;
DOI=10.1002/(SICI)1521-4141(199812)28:12<44094::AID-IMMU4094>3.3.CO;2-U;
Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
White S.J., Du Pasquier L.,
White S.J., a Zenopus thymocyte receptor, defines a molecular family
conserved throughout vertebrateen.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22 VVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFIQWSFYSAKE--SQLHTIYYYSEGQ
                                                                                                                                                                               Name-Chij
Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
Gallus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 VEVKVPTEPLSTPLGKTAELTCTYSTS - - VGDSFALEWSFVQPGKPISESHPILYFTNGH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gallus gallus (Chicken).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasianinae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
STRAIN=RPRL line 0; TISSUE=Thymus;
Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vainio O.; Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases. EMBL; Y1402; CAA74390.1; -. HSPP, P78310; JKAC. InterPro; IPR007110; Ig-1ike. InterPro; IPR003596; Ig-v. Pfam; PF00047; ig; 1. SMART; SM00406; IGv; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 21 Potential.
22 335 ChTl thymocyte antigen.
335 AA; 36553 MW; AA640C5CD02CB16D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                       I-MAY-1999 (TrEMBLrel. 10, Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 26.8%; Score 311.5; DB 2; Local Similarity 33.5%; Pred. No. 1.3e-16; les 71; Conservative 43; Mismatches 89;
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59 LYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTV 118
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Bur. J. Immunol. 28:4094-4104(1998).

EMBL; AP061023; AAD17523.1; -.

HSSP; P78310; 1KAC.

InterPro; IPR007110; Ig-like.

InterPro; IPR003596; Ig_v.

Pfam; PR00047; ig; 1.

SMART; SM00406; IGv; 1.

PROSITE; PS0835; IGv; 1.

PROSITE; PS0835; IG LIKE; 2.

SEQUENCE 335 AA; 36561 MW; 071A313C3CE6DCA0 CRC64;
                                                                                                                                                                                                                                                                                  DB 2;
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33.0%; Pred. No. 5.5e-16;
ive 43; Mismatches 90
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Run on:

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24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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US-10-216-159A-236
US-10-218-849-236
US-10-227-873-236
US-10-227-873-236
US-10-227-873-236
US-10-230-043-236
US-10-230-043-236
US-10-230-446-236
US-10-219-464-236
US-10-219-464-236
US-10-219-479-236
US-10-232-233-236
US-10-219-468-236
US-10-219-488-236
US-10-219-536-236
US-10-219-336-236
US-10-227-881-236
US-10-227-881-236
US-10-237-882-236
US-10-237-232-236
US-10-232-225-236
US-10-232-225-236
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
FURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
PRIOR PILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PATCHIN VET. 2.0
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Patent No. US20020076705A1
GENERAL INFORMATION:
ORGANISM: Homo sapiens
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Best Local Similarity
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Sequence 83, Appl
Sequence 4, Appl
Sequence 236, App
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Sequence 98, Appl
                                                                                                (without alignments)
1447.018 Million cell updates/sec
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1 VEVKVPTEPLSTPLGKTAEL.....ASCELTLSVTEPSQGRVAEL 222
                                                                                   August 4, 2005, 06:13:42; Search time 59.8944 Seconds
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| Cgn2_6/ptodata1/pubpaa/USO7_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO6_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO6_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO7_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO8_PUBCOMB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO8_NEW_PUB.ppp:*
| Cgn2_6/ptodata1/pubpaa/USO8_PUBCOMB.ppp:*
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             GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-607-565-98

US-09-820-893-83

US-10-607-565-83

US-10-607-565-83

US-10-21-884-236

US-10-230-182-236

US-10-230-338-236

US-10-230-414-236

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Maximum Match 100%
Listing first 45 summaries
                                                           - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Result No.

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84 PIGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: US/09/531,119
PRIOR FILING DATE: 2000-03-20
PRIOR PELING DATE: EARLIER APPLICATION NUMBER: 60/101,546
PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-00-23
PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PALCHLING DATE: 2.0
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                                                                                                                                                          Length 246;
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; OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83
                    FEATURE:
NAME/KEY: SITE
LOCATION: (246)
COTHER INFORMATION: Xaa equals stop translation
US-09-803-893-893
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's Sequence 83, Application US/10607565; Publication No. US20040048294A1
; GENERAL INFORMATION:
    ORGANISM: Homo sapiens
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NAME/KEY: SITE
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                           61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
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PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REPERENCE: P2032P1

CURRENT APPLICATION NUMBER: US/10/607,565

CURRENT FILING DATE: 2003-06-27

PRIOR APPLICATION NUMBER: US/09/531,119

PRIOR PILING DATE: 2000-3-20

PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 60/101,546

PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23

PRIOR PLILING DATE: EARLIER FILING DATE: 1998-10-02

NUMBER OF SEQ ID NOS: 140

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 98

LENGTH: 245
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                                                                                                              204 LINLSLISSGTYRCVAINQMGSASCELILSVIEPSQGRVAEL 245
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; Pred. No. 1.7e-88;
0; Mismatches 0;
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Fatent No. US20020076705A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REPERENCE: PS033P1
CURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
FRIOR APPLICATION NUMBER: 09/531,119
FRIOR APPLICATION NUMBER: 60/102,895
FRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 83
LENGTH: 246
                                                                                                                                                                                                                                        ; Sequence 98, Application US/10607565; Publication No. US20040048294A1; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 222; Conservative
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CORGANISM: Homo sapiens
US-10-607-565-98
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PRIOR PILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-04-15
PRIOR PILING DATE: 1998-05-13
PRIOR PILING DATE: 1998-06-13
PRIOR PILING DATE: 1998-06-14
PRIOR PILING DATE: 1998-06-17
PRIOR PILING DATE: 1998-08-17
PRIOR PILING DATE: 1998-09-10
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APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austrin L.
APPLICANT: Gurney, Vistcrin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Smith, Victorin L.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLC79
CURRENT APPLICATION NUMBER: US/10/227,884
CURRENT FILING DATE: 2002-08-26
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
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                                                                                                                                                        Sequence 4, Application US/10443108
Sequence 4, Application US/10443108
Sequence 4, Application No. US20040005615A1
SEMERAL INFORMATION:
APPLICANT: HU, DAVID
APPLICANT: MU, DAVID
APPLICANT: WANG, JIANXIN
TITLE OF INVENTION: AMPLIFICATION AND OVEREXPRESSION OF ONCOGENES
FILE REPERENCE: 38002-0049
CURRENT APPLICATION NUMBER: US/10/443,108
CURRENT APPLICATION NUMBER: 60/398,099
PRIOR APPLICATION NUMBER: 60/398,099
PRIOR FILING DATE: 2002-07-25
PRIOR PELING DATE: 2002-07-25
NUMBER OF SEQ ID NOS: 90
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 4
LENGTH: 326
TYPE: PRI
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204 LINLSLISSGTYRCVAINQMGSASCELTLSVIEPSQGRVAEL 245
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application US/10227884
5. US20030027988A1
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
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US-10-227-884-236
Sequence 236, Applicate Publication No. US2003; GENERAL INFORMATION:
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APPLICANT:
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R APPLICATION NUMBER: 60/119549
R FILING DATE: 1999-02-10
RR FILING DATE: 1999-03-10
RR FILING DATE: 1999-03-10
RR APPLICATION NUMBER: 60/125259
RR FILING DATE: 1999-03-19
RR FILING DATE: 1999-03-19
RR FILING DATE: 1999-03-23
RR FILING DATE: 1999-03-23
RR APPLICATION NUMBER: 60/126775
          R FILING DATE: 1998-09-11
R APPLICATION NUMBER: 60/100385
R FILING DATE: 1998-09-15
R PILING DATE: 1998-09-15
R FILING DATE: 1998-09-15
R APPLICATION NUMBER: 60/100627
R FILING DATE: 1998-09-16
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R FILING DATE: 1998-10-30

R APPLICATION NUMBER: 60/106905

R FILING DATE: 1998-11-03

R APPLICATION NUMBER: 60/106787

R APPLICATION NUMBER: 60/108787

R APPLICATION NUMBER: 60/108801

R FILING DATE: 1998-11-17

R APPLICATION NUMBER: 60/108819

R FILING DATE: 1998-11-18

R APPLICATION NUMBER: 60/112422

R APPLICATION NUMBER: 60/112422

R APPLICATION NUMBER: 60/112422

R APPLICATION NUMBER: 60/112422

R FILING DATE: 1998-12-15

R APPLICATION NUMBER: 60/11296
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DR APPLICATION NUMBER: 60/113613
DR APPLICATION NUMBER: 60/113621
DR FILING DATE: 1998-12-23
DR APPLICATION NUMBER: 60/11558
DR FILING DATE: 1999-01-12
DR APPLICATION NUMBER: 60/115565
DR APPLICATION NUMBER: 60/115565
DR APPLICATION NUMBER: 60/115733
DR APPLICATION NUMBER: 60/115733
DR APPLICATION NUMBER: 60/115733
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FILING DATE: 1998-09-17
APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101738
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APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
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PILING DATE: 1998-09-24
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FILING DATE: 1998-10-28
APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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APPLICATION NUMBER: 60/131291
FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131445
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FILING DATE: 1998-09-18
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/127887
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FILING DATE: 1999-04-26
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PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143
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APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530P1C96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24 VEVKVPTEPLSTPLGTYAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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Pred. No. 1.4e-87;
0; Mismatches 0;
PRIOR APPLICATION NUMBER: 60/134287
PRIOR FILING DATE: 1999-05-14
PRIOR FILING DATE: 1999-06-22
PRIOR PELING DATE: 1999-06-22
PRIOR PELING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: 60/140723
PRIOR APPLICATION NUMBER: 60/144758
PRIOR APPLICATION NUMBER: 60/145698
PRIOR PILING DATE: 1999-06-23
PRIOR PELING DATE: 1999-07-20
PRIOR APPLICATION NUMBER: 60/145698
PRIOR PILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: 60/14693
PRIOR PILING DATE: 1999-07-28
PRIOR PILING DATE: 1999-08-03
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-11-09
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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Best Local Similarity 100.0%; Pr
Matches 220; Conservative 0;
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APPLICANT: Gerriten, Mary
APPLICANT: Gerriten, Mary
APPLICANT: Goddard, Addrey
APPLICANT: Grimaldi, J. Chri
APPLICANT: Grimaldi, J. Chri
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Scephan, Jean-Phi
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
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CURRENT APPLICATION NUMBER: US/10/210,163

FRIOR APPLICATION NUMBER: US/10/210,164

FRIOR APPLICATION NUMBER: US/10/210
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APPLICATION NUMBER: 60/099812 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099816 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/100038 FILING DATE: 1998-09-11 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/100385 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 APPLICATION NUMBER: 60/112422 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 FILING DATE: 1998-12-22 APPLICATION NUMBER: 60/115558 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/100390 APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/101741 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101916 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101922 APPLICATION NUMBER: 60/106178 APPLICATION NUMBER: 60/106248 FILING DATE: 1998-10-29 APPLICATION NUMBER: 60/106464 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-17 APPLICATION NUMBER: 60/108849 FILING DATE: 1998-11-18 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/113621 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/113605 APPLICATION NUMBER: 60/126773 APPLICATION NUMBER: 60/127887 FILING DATE: 1998-09-16 1998-09-10 FILING DATE: 1998-09-15 FILING DATE: 1998-09-24 LING DATE: 1998-10-28 FILING DATE: 1998-10-30 FILING DATE: 1998-11-17 1999-03-29 ILING DATE: 1999-04-05 FILING PRILICA PRILIC

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APPLICANT: Wacd, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C92
CURRENT APPLICATION NUMBER: US/10/230,338
CURRENT FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 00/059113
PRIOR APPLICATION NUMBER: 00/059113
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PLING DATE: 1997-00-17
PRIOR PLING DATE: 1997-10-17
PRIOR PLING DATE: 1997-10-28
PRIOR PLING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/06349
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-10-20
PRIOR PLING DATE: 1997-10-20
PRIOR PLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/069913
PRIOR PLING DATE: 1997-10-20
PRIOR PLING DATE: 1997-10-20
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
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APPLICANT: Desnoyers, Luc
APPLICANT: Gendard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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Pred. No. 1.4e-87;
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100.0%; Pred. No. ...
... 0; Mismatches
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Watanabe, Colin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 220; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo Sapien
US-10-230-338-236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-218-631-236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPSOGRVA 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 99.2%; Score 1155; DB 14; Best Local Similarity 100.0%; Pred. No. 1.4e-87; Matches 220; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Gerritsen, Mary
Goddard, Audrey
Godowski, Paul J.
Grinaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
                                                                                                                                                                                                                                                                                                                                  A APPLICATION NUMBER: 60/140723

R FILING DATE: 1999-06-22

R FILING DATE: 1999-06-23

R FILING DATE: 1999-06-23

R APPLICATION NUMBER: 60/144758

R PILING DATE: 1999-07-20

R APPLICATION NUMBER: 60/14659

R FILING DATE: 1999-07-26

R FILING DATE: 1999-07-26

R FILING DATE: 1999-07-28

R FILING DATE: 1999-07-28

R FILING DATE: 1999-07-28

R PILING DATE: 1999-08-03

R PILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/14693

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/14693

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/14638

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/151733

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/151733

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/151733

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/161733

R FILING DATE: 1999-08-17
                                                                                           R FILING DATE: 1999-04-27

R PAPLICATION NUMBER: 60/131445

R FILING DATE: 1999-04-28

R APPLICATION NUMBER: 60/134287

R FILING DATE: 1999-05-14

R APPLICATION NUMBER: 60/140650

R FILING DATE: 1999-06-22
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; Sequence 236, Application US/10230338
; Publication No. US20030044934A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 60/166361
FILLING DATE: 1999-11-16
APPLICATION NUMBER: 60/169445
FILLING DATE: 1999-12-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1999-12-07
APPLICATION NUMBER: 60/169495
FILING DATE: 1999-12-07
APPLICATION NUMBER: 60/169835
                             FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131291
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddward, Paul J
APPLICANT: Goddward, Paul J
APPLICANT: Grimmldi, J. Chr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               61
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APPLICANT:
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Gorimald, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P3530P1C111
CURRENT APPLICATION NUMBER: 105109202-08-29
PRIOR APPLICATION NUMBER: 10119,480
PRIOR FILING DATE: 2002-04-09
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NUMBER OF SEQ ID NOS: 246
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100.0%; Pred. No. 1.4e-87;
tive 0; Mismatches 0;
                        PRIOR APPLICATION NUMBER: 10/119, 480
PRIOR FILING DATE: 2002-04-09
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR PLING DATE: 1997-10-17
PRIOR PPLING DATE: 1997-10-17
PRIOR PLING DATE: 1997-10-18
PRIOR PLING DATE: 1997-10-28
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/06973
PRIOR PLING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR PLING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
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Publication No. US20030065147A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 220; Conservative
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ORGANISM: Homo Sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-230-414-236
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Publication No. US20030050448A1

GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerifteen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Grimadid, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Mood, William I.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS
TITLE OF INVENTION: ACIDS
TITLE OF LOWERT APPLICATION NUMBER: US/10/230,414
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       FILE REFERENCE: P3530P1C14

CURRENT APPLICATION: ACLIDS ENCODING THE SAME
CURRENT APPLICATION NUMBER: US/10/218,631

CURRENT APPLICATION NUMBER: 10/119,480

PRIOR FILING DATE: 2002-08-12

PRIOR PILING DATE: 1997-09-17

PRIOR FILING DATE: 1997-09-17

PRIOR PILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-10-31

PRIOR FILING DATE: 1997-10-31

PRIOR PLILNG DATE: 1997-10-31

PRIOR PLILNG DATE: 1997-12-17

PRIOR PLILNG DATE: 1997-12-17

PRIOR PLILNG DATE: 1998-03-26

PRIOR FILING DATE: 1998-03-27

PRIOR FILING DATE: 1998-03-26

PRIOR FILING DATE: 1998-03-26

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PRIOR PRIOR PRIOR DATE: 1998-03-27
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TITLE OF INVENTION: ACIDS ENCODING THE SAME
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US-10-218-631-236
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Sequence 236, Application US/10218849; Publication No. US20030073814A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
GORGANISM: Homo Sapien
US-10-216-159A-236
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; ORGANISM: Homo Sapien
US-10-218-849-236
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APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godneski, Peul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Suth, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Matanabe, Colin L.
APPLICANT: Matanabe, Colin L.
APPLICANT: APPLICANT: ACIDE ENCODING THE SAME
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDE ENCODING THE SAME
TITLE OF INVENTION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062187
PRIOR APPLICATION NUMBER: 60/062287
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PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR PLICATION NUMBER: 60/069873
PRIOR PLICATION NUMBER: 60/069873
PRIOR PLICATION NUMBER: 60/079910
PRIOR PLILNG DATE: 1998-03-20
PRIOR PLILNG DATE: 1998-03-26
PRIOR PLING DATE: 327
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER 06 SEQ ID NOS: 246
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
) ORGANISM: Homo Sapien
US-10-232-224-236
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US-10-216-159A-236
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Paul J.
APPLICANT: Goddwaki, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDE ENCODING THE SAME
FILE REFERENCE: P3530P1C11
CURRENT APPLICATION NUMBER: US/10/218,849
STOLING DATE: 2002-08-12
Frior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   84 PIGSKSKRVSLLQNPPTVGVATIKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 143
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PRIOR PEDILOGATION NUMBER: 60/064103
PRIOR PELILNG DATE: 1997-10-23
PRIOR PELILNG DATE: 1997-10-31
PRIOR PELILNG DATE: 1997-10-31
PRIOR PELING DATE: 1997-12-17
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-26
PRIOR PELING DATE: 1998-03-27
PRIOR DATE: 1998-03-27
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PRIOR PILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/08532
PRIOR PILING DATE: 1998-05-22
PRIOR PILING DATE: 1998-05-22
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PRIOR PILING DATE: 1998-06-18
PRIOR PILING DATE: 1998-06-18
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PRIOR PILING DATE: 1998-06-18
PRIOR PILING DATE: 1998-06-24
PRIOR PILING DATE: 1998-06-24
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PRIOR PILING DATE: 1998-06-26
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PRIOR PILING DATE: 1998-08-10
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PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-16
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PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-17
PRIOR PILING DATE: 1998-09-18
PRIOR PILING DATE: 1998-09-18
PRIOR PILING DATE: 1998-09-28
PRIOR PILING DATE: 1998-09-29
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                                              Gaps
                                              ;
0
     Length 327;
                                          Indels
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     99.2%; Score 1155; DB 14;
100.0%; Pred. No. 1.4e-87;
iive 0; Mismatches 0;
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
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5. US20030073816A1
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; Sequence 236 Application US/11
; Dublication No. US20030073816A;
; GENERAL INFORMATION:
; APPLICANT: Beaker, Kevin P.
; APPLICANT: Demoyers, Luc
; APPLICANT: Gerritsen, Mary
                       Best Local Similarity 100.
Matches 220; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
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APPLICANT:
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       Query Match
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R APPLICATION NUMBER: 60/106464
R FILING DATE: 1998-10-30
A PPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/10801
R RILING DATE: 1998-11-17
                                                                                                                                                                                                 R FILING DATE: 1998-12-23
R PAPLICATION NUMBER: 60/113621
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/11558
R APPLICATION DATE: 1999-01-12
R APPLICATION NUMBER: 60/11565
R FILING DATE: 1999-01-12
                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/119549
FILING DATE: 1999-02-10
APPLICATION NUMBER: 60/123618
FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
                                                                                                                                  APPLICATION NUMBER: 60/112422
FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
APPLICATION NUMBER: 60/113605
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APPLICATION NUMBER: 60/126773
FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887
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FILING DATE: 1999-04-26
APPLICATION NUMBER: 60/131270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1999-04-28
APPLICATION UNMBER: 60/134287
FILING DATE: 1999-05-14
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APPLICATION NUMBER: 60/144758
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FILING DATE: 1999-08-17
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APPLICATION NUMBER: 60/169445
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FILING DATE: 1998-11-18
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FILING DATE: 1999-01-12
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APPLICATION NUMBER: 60/125775
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FILING DATE: 1999-04-21
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APPLICATION NUMBER: 60/131445
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APPLICATION NUMBER: 60/146222
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FILING DATE: 1999-08-31
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APPLICATION NUMBER: 60/131291
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APPLICANT: GodGarKi, Audrey
APPLICANT: GodGarKi, Paul J.
APPLICANT: GodGarKi, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Sauth, Victoria
APPLICANT: Sauth, Victoria
APPLICANT: Matanabe, Colin Lil.
APPLICANT: Watanabe, Colin Lil.
APPLICANT: Wood, William I.
TILLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P3520PLC98
FILE REPERENCE: 2002-08-26
PRIOR APPLICATION NUMBER: 10/113,480
PRIOR APPLICATION NUMBER: 60/052113
PRIOR APPLICATION NUMBER: 60/05287
PRIOR PLING DATE: 1997-09-17
PRIOR FLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-10-13
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-10-32
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Pred. No. 1.4e-87;
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PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION WUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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Best Local Similarity 100.
Matches 220; Conservative
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PRIOR APPLICATION NUMBER: 60/164418
PRIOR FILING DATE: 1999-11-09
PRIOR PILING DATE: 1999-11-16
PRIOR FILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/169445
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Maximum
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ADC36965 ADC21955	ADC49986	ADC49185	ADC49702	ADC47563	ADC47308	ADC78183	ADD06418	ADC77937	ADD50900	ADD51146	ADD50627	ADD50381	ADD51392	ADC48939	ADE21110	ADE05954	ADD75183	ADD75929
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ALIGNMENTS

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Human, secreted protein, cytostatic, anti-proliferative, vulnerary, immunosuppressive, antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing; hyper-vascular disease; chromsome 11.
                                                                                                                                                                                                                             Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
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                        AAB08940 standard; protein; 245
                                                                                                                                                              (first entry)
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                                                                                                                                                          30-AUG-2000
                                                                                               AAB08940;
AAB08940
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WO200017222-A1.

30-MAR-2000

99WO-US022012 22-SEP-1999; 98US-0101546P. 98US-0102895P. 23-SEP-1998; 02-OCT-1998;

(HUMA-) HUMAN GENOME SCI INC

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PE,

Young

Lafleur DW,

Duan RD, Shi Y, ss GA, Soppet DR;

Endress GA,

Rosen CA,

Ruben SM,

Komatsoulis G,

Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative WPI; 2000-283538/24

Disclosure; Page 40; 416pp; English.

disorders, related to the proteins.

human secreted proteins given in AAB08891 to AAB08994. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polymucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and The polynucleotide sequences given in AAA39052 to AAA39088 encode the

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polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins.
                                                                                                                                                                                                                                                                                                                             83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; secreted protein; cytostatic; anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing;
                                                                                                                                                                                                                                                                                                                                                                                                                                              144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                                                                                                                                                                                                               1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                                                                                                                                                                                                                                                   24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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Pred. No. 2e-81;
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100.0%; Pred. No. ...
0; Mismatches
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Soppet DR;
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98US-0102895P.
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                                                                                                                                                                                                                                                             222; Conservative
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                                                                                                                                                                                                 Sequence 245 AA;
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proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polynucleotide sequences are useful for diagnostic and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnosting and treating disorders related to the secreted proteins. The proteins, and of isorders related to the secreted proteins. The proteins and treating for polynucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39031 to AAA39051
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                                                The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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                Claim 11; Page 376-377; 416pp; English.
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2002US-0398099P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 246 AA;
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Homo sapiens

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The present sequence is the protein sequence of human corticol thymocyte receptor (Xenopus laevis cts)-like (CTXL), previously known as a corticol receptor type marker in frogs, and a member of the immunoglobulin superfamily having features of both antigen-specific receptors and adhesion (CTXL and other genes (RecQL5, USP13, MCL1 and Pellinol) in certain cancers, including breast cancer, colon cancer, lung cancer and ovarian cancer, and the frequent amplification of these genes in cancer cells. The genes, and their expression products, can be used diagnostically or cancer cancers, and their expression products, can be used diagnostically or the genes, and their expression products, can be used to identify and design compounds useful in the diagnosis, prevention and therapy of tumours and cancers, in vaccine development, and in methods for the design compounds useful in the diagnosis, prevention and therapy of tumours and cancers, in vaccine development, and in methods for inhibiting cancer or precancerous growth, especially in colon, ovarian or breast tissue, uses an inhibitor that interacts with CTXL DNA or RNA. The inhibitor is a small interfering RNA (siRNA), microRNA (miRNA), and antisense RNA, and eacoy molecule, a decoy DNA, a character of the colon and the colon and co
                                                                                                                                                                                                      Diagnosing a cancer in a mammal comprises determining RecQL5, CTXL, USP13, MCL1, or Pellino 1 gene copy number in a biological sample from a region of the mammal that is suspected to be precancerous or cancerous.
                                                                                                                                                                                                                                                                                                                                                                          Claim 54; SEQ ID NO 4; 174pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ribozyme or small molecule
                                   WPI; 2004-035118/03.
N-PSDB; ADF83096.
GENBANK; XP_035095.
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Sequence 326 AA;

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PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
                                                                                                                                                                                                                     PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSFGSMVQDEVSGQLI 180
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                                                                                             23 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                       1 VEVKVPTBPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                                                                                                    PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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                                       Gaps
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 99.2%; Score 1155; DB 8; Length 326; 100.0%; Pred. No. 1.4e-80;
                                     Indels
                                                                                                                                                                                                                                                                                          LINLSLISSGIYRCVAINOMGSASCELTLSVIEPSQGRVA 220
                                                                                                                                                                                                                                                                                                                         203 LINLSLISSGIYRCVATNOMGSASCELTLSVIEPSOGRVA 242
                    100.0%; Pred. No. 1.4 ive 0; Mismatches
Query Match
Best Local Similarity 100.
Matches 220; Conservative
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RESULT 4 AAY87251

AAY87251 standard; protein; 327 AA. (first entry) 11-MAY-2000 AAY87251:

Human signal peptide containing protein HSPP-28 SEQ ID NO:28.

Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimicrobial; notropic; neuroprotective; cardiovascular; hepatotropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arterlosclerosis; cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; muscular dystrophy.

203

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AAZ98109 to AAZ98242 encode AAV87224 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have cutioner, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation (HSPP are used, to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosts, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or cirrhosts, psoriasis, acquired immune deficiency syndrom, anaemia, asthma, Crohn's disease, Alzheimer's, Parkinson's or Huntington's diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP concleic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for detecting HSPP in standard hybridisation and amplification assays and or ribosyme therapeutic agents, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise (potential therapeutic agents), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                                                                                                                                                                            Gorgone GA, Corley NC, Guegler KJ, Baughn MR;
Young J, Yue H, Patterson C, Reddy R, Hillman JL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                84 PIGSKSKRVSLLQNPPIVGVATLKLTDVHPSDIGTYLCQVNNPPDFYTNGLGLINLTVLV
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100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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                                                                                                                                                                                   98US-0094983P.
98US-0102686P.
98US-0112129P.
                                                                                                                        99WO-US014484
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                                                                                                                                                                                                                                                                                                                                       Au-Young J,
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Matches 220; Conservative
                                                                                                                                                                                                                                                                        (INCY-) INCYTE PHARM INC.
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                                                                                                                                                                                                                                                                                                                     XI.
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                                   WO200000610-A2
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                                                                                                                                                                                         31-JUL-1998;
01-OCT-1998;
                                                                                                                        25-JUN-1999;
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204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a probe or as a constraint marker. The protein can also be used as a marker, and to identify genetic marker. The protein can also be used as mutritional sources or supplements. The protein exhibits cytokine, cell nutritional sources or supplements. The protein exhibits cytokine, cell differentiation activities and induces production of cother cytokines in certain cell populations. The protein also exhibits immune stimulating or immune supplements and disorders, and to treat infectious diseases caused by viral, bacterial, fungal or other cinfections. The protein is also used for treating autoimmune disorders infections. The protein is also used for treating autoimmune disorders conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression of haematopoiesis and consequently in the treatment of myeloid or lymphoid cell ceficiencies. It is also used in to myeloid or lymphoid cell ceficiencies. It is also used in the treatment of osteoporosis or regeneration. The protein is also used in the treatment of osteoporosis cor osteoarthritis and in the treatment of periodontal disease and other conditions the protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and
                                                                                                                                                                                           Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; limmune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
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                    AAY94857 standard; protein; 327
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                                                                                                                                                    Human protein clone HP10568.
                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                         nephritis; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kato S, Kimura T;
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09-SEP-1998;
29-SEP-1998;
                                                                                                           12-JUN-2000
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                                                             AAY94857;
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AAY94857
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Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, seppis, ischaemia reperfusion injury, arthritis, and nephritis. They can be used to prevent
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990S-0149327P.
990S-0149396P.
990S-0150114P.
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99US-0146843P.
99US-0148188P.
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Matches 220; Conservative
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                                                                                                                                                                                                                                 Sequence 327 AA;
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17-AUG-1999;
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Wood WI;

Watanabe CK,

Gurney AL,

Goddard A,

Botstein DA,

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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); clenkaemias and lymphoid malignancies; neuronal, glial, astrocytal, hypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders; and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or antiton, which is responsive to the PRO polypeptide, its antagonist or antity or antagonist or antitonis or antitonist 
                                                                                                             Antibodies against PRO polypeptides, useful for diagnosing and treating tumors are associated with gene amplification, neoplastic cell growth and proliferation in mammals.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       204 LINISITSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 99.2%; Score 1155; DB 4; Best Local Similarity 100.0%; Pred. No. 1.4e-80; Matches 220; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                     Claim 61; Fig 12; 143pp; English.
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                            2001-071075/08
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                                                     N-PSDB; AAA91019
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The invention relates to novel genes (ABL89449-ABL90853) and proteins

(ABB89040-ABB90444) useful for preventing, treating or ameliorating
medical conditions e.g. by protein or gene therapy. The genes are
isolated from a range of human tissues disclosed in the specification.
The nucleic acids, proteins, antibodies and (ant) agonists are useful in
The nucleic acids, proteins, antibodies and (ant) agonists are useful in
The diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
CO ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
Dreast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
disorders e.g. Addison's disease, allergies, autoimmune haemolytic
anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
Computible sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
cardiovascular disorders such as myocardial ischaemias; (d) wound healing
Computious diseases e.g. cerebral anoxia and epilepsy; and (f)
Computious diseases e.g. varal, bacterial, fungal and parasitic
Confections. Note: The sequence data for this patent did not form part of
the printed specification, but was obtained in electronic format directly
Computed the printed specification, but was obtained in electronic format directly
Computed the printed specification, but was obtained in electronic format directly
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                                                                                                                                                                                                                                                                      Novel 1405 isolated polypeptides, useful for diagnosis, treatment and
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gastrointestinal, pulmonary, cardiovascular, renal and proliferative
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breast cancer; prostate tumour; rectal tumour; liver tumour;
pericyte cell proliferation; chondrocyte cell proliferation;
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100.0%; Pred. No. 1.4e-80;
iive 0; Mismatches 0;
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                     18-MAY-2001; 2001WO-US016450
                                                                19-MAY-2000; 2000US-0205515P.
                                                                                                           (HUMA-) HUMAN GENOME SCI INC.
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N-PSDB; ABL90763.
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24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY

VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY

PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV

61

PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI

LINLSLISSGTYRCVAINQMGSASCELTLSVTEPSQGRVA

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Human, PRO polypeptide, secreted and transmembrane protein, anti-PRO antibody, diagnostic assay, gene expression, tumour; cytostatic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
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Smith V, Stephan JF, Watanabe CK,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2000US-0220666P.
2000US-0220893P.
2000WO-US020710.
2000US-0222425P.
2000US-0227133P.
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2000US-0220638P.
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2000US-0253646P.
2000WO-US032678.
tumour necrosis factor-alpha
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N-PSDB: ABX33653.
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                                                                                                                         WO200208288-A2
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28-NOV-2000;
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                                                              Homo sapiens
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The present invention relates to the isolation of novel human PRO polypeptides, and the polynucleotide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polynucleotides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABU80739-ABU80860 from represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
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2001WO-US021066.
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                                                                                                                                                                                                                                                                                    25-JUL-2000; 2000US-0220638P.
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C, Gurney AL,
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                                                                   US2003036635-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baker KP, Der
Grimaldi JC,
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Homo sapiens
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Length 327; Indels

Query Match 99.2%; Score 1155; DB 5; Best Local Similarity 100.0%; Pred. No. 1.4e-80; Matches 220; Conservative 0; Mismatches 0;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PJ;
Wood WI;
                                                                                                                                                                                                                                                                                                                               Human; secreted and transmembrane protein; PRO; cytostatic; antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha; chondrocyte stimulator; fibroblast modulator; paricyte stimulator; fibroblast modulator; pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis
                                           PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
                                                                                         PIGSKSKRRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
                                                                                                                     PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                                                   1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
            Gaps
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Smith V, Stephan JF, Watanabe CK,
           Indels
                                                                                                                                                                                                                                                                                                            Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                LINLSLISSGIYRCVATNOMGSASCELTLSVTEPSQGRVA 220
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 1.46-80;
           Mismatches
 Pred. No.
                                                                                                                                                                                                                                            AB033822 standard; protein; 327 AA
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100.08;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                                                                                                                                                       (first entry)
           220; Conservative
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C, Gurney P
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N-PSDB; ACD68710.
 Best Local Similarity
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           Matches
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continually useful for detecting tumours (e.g. lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)

in a mammal, for stimulating the release of TNF-alpha from human blood,

con stimulating the proliferation of differentiation of chondrocyte

colls, for stimulating proliferation of perioyte cells, or for modulating normal human dermal fibroblast proliferation. The PRO nucleic acid or colypeptide is also useful for treatient tumours or various bone and/or cartilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases. The PRO polypeptides are also useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso useful as molecular weight spromic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. This is the amino acid sequence of a novel human secreted and control can be used. This is the amino acid sequence of a novel human secreted and control co
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSWVQDEVSGQLI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
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, 2001WO-US017800.
; 2001WO-US021066.
; 2002US-00119480.
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Matches 220; Conservative
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29-JUN-2001;
09-APR-2002;
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09-APR-2002; 2002US-00119480.
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                                                                                                 N-PSDB; ABT44343,
                                                                                                                                                                                                                                                                                                                                                            Sequence 327 AA;
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                                                                                                                                                                               encoding novel human secreted and transmembrane (PRO) polypoptides. The PRO nucleic acids, polypoptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
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                       Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                            24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRO; proliferation; pericyte cell; TNP-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
                                                                                             One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
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                                                                                                                                                                        The invention describes one hundred and eighty seven nucleic acids
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                                                                                                                                                                                                                                                                                                                                                            Length 327;
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100.0%; Pred. No. 1.4e-80;
iive 0; Mismatches 0;
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                                                                                                                                              Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 100.
Matches 220; Conservative
                     Desnoyers L,
C, Gurney AL,
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(GETH ) GENENTECH INC.
                                                         2003-393229/37.
                                                                       N-PSDB; ACA68614
                                                                                                                                                                                                                                                                                                                                  Sequence 327 AA;
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                       Baker KP, Des
Grimaldi JC,
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The invention relates to a novel isolated nucleic acid encoding a fully defined PRO polypeptide. The molecules of the invention may be useful for stimulating proliferation or gene expression in periorte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or display the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   83
                                                                       Goddard A, Godowski PJ;
ohan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                    New nucleic acid encoding for a PRO protein, useful for the manufactum of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LINLSLISSGIYRCVAINOMGSASCELTLSVIEPSQGRVA 220
                                                                    Gerritsen ME, Goddard ?
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.2%; Score 1155; DB 6;
100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 11; Fig 236; 315pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 100.
Matches 220; Conservative
                                                                    Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PRO7154 protein.
(GETH ) GENENTECH INC
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28-AUG-2002; 2002US-00230338
                                                                                                                                        N-PSDB; ACD82293.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 327 AA;
                                                                                                     Grimaldi JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-OCT-2003
                                                                                         KΡ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABJ72175;
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                                                                                          Baker
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 PTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        203
                                                                                                                                                                                                                 The invention relates to a novel isolated PRO protein encoding nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating prolliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180
                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                              83
                                                                             Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                      1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVOPGKPISESHPILYFTNGHLY
                                                                                                                                                                                                                                                                                                                                                                                                                                     24 VEVKVPTEPLSTPLGTYAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI
                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; chondrocyte stimulation; TNF-alpha stimulation; gene therapy;
human dermal fibroblast stimulation; tumour; tissue typing;
affinity purification.
                                                                                                                                              New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of
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                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          204 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human secreted/transmembrane polypeptide PRO 7154.
                                                                                                                                                                                                                                                                                                                                                                                              °,
                                                                            Gerritsen ME, Goddard Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. No. 1.4e-80; ive 0; Mismatches 0;
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                                                                                                                                                                                            Claim 11; Fig 236; 324pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABO34368 standard; protein; 327
       01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0
Matches 220; Conservative
                                                                             Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
                                                     GETH ) GENENTECH INC.
                                                                                                            WPI; 2003-503301/47
                                                                                                                                                                      tumor in a mammal.
                                                                                                                        N-PSDB; ABT44626
                                                                                                                                                                                                                                                                                                                                                 Sequence 327 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2003044934-A1
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The invention relates to an isolated nucleic acid encoding a PRO
polypeptide. Nucleic acids that encode PRO can be used to generate either
ransgenic animals or knock-out animals useful in developing and
screening of therapeutically useful reagents. The nucleic acids may also
be used in gene therapy for replacing defective gene, in chromosome
claiming the processes of the properties are useful for chromosome
cull length PRO cDNA. The PRO polypeptides are useful for chondrocyte
stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
on for detecting the presence of tumour in an mammal. The PRO
polypeptides are useful as molecular markers for protein electrophoresis
and the isolated nucleic acids may be used for recombinantly expressing
those markers. The PRO polypeptides and nucleic acids may also be used in
those markers hati-PRO antibodies are useful in diagnostic assays for
PRO and in affinity purification of PRO from recombinant cell culture or
natural sources. The present sequence represents the amino acid sequence
of a human secreted/transmembrane PRO polypeptide
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                                                                                                                                                                                                                                                      Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, as chromosome markers, or in generating probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV
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cell proliferation; cell migration; cell differentiation;
mitogenic factor; survival factor; cytotoxic factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
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100.0%; Pred. No. 1.4e-80;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 19; Fig 236; 315pp; English.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                      Desnoyers L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                220; Conservative
                                                                                                                                                                    (GETH ) GENENTECH INC.
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Best Local Similarity
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143

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This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintennance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, nucropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              pharmaceutical and diagnostic agents, such as in the blocking of receptor-
ligand interactions. The current invention provides the amino acid
sequences of novel human membrane bound receptors and proteins, along
with the CDNA sequences encoding them. The novel proteins of the
invention may have cytostatic activities through the stimulation of
chondrocytes. The nucleic acids of the invention may be useful for the
manufacture of a medicament for diagnosing or treating a tumour in a
mammal. In addition, they may be useful for measuring or detecting the
expression of a tumour associated gene. The present sequence is the amino
acid sequence of a human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                  Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.2%; Score 1155; DB 7; Length 327; 100.0%; Pred. No. 1.4e-80; of Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 11; Fig 236; 315pp; English.
                                                                                                                                                                                                                                 28-JUL-1999; 99US-0146222P.
24-FEB-2000; 2000WO-US005004.
02-MAR-2000; 2000WO-US017800.
10-JUN-2001; 2001WO-US017800.
29-JUN-2002; 2002US-00119480.
                                                                                                                                                                                           29-AUG-2002; 2002US-00232224
                                                                                                                                                                                                                                                                                                                                                                                                                                  Desnoyers L,
C, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-522018/49.
N-PSDB; ABT43999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 327 AA;
                                                                                                         US2003065147-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Grimaldi JC,
                                                                Homo sapiens.
                                                                                                                                                 03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                    Baker KP,
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Gaps ô 83

203

PIGSKSKRVSLLQNPPIVGVATLKLIDVHPSDIGTYLCQVNNPPDFYINGLGLINLTVLV 120

61

84 PIGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPDFYTNGLGLINLTVLV

1 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY 60

Best Local Similarity 100. Matches 220; Conservative

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Query Match

24 VEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISESHPILYFTNGHLY

121 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI 180

144 PPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFPTPSPGSMVQDEVSGQLI

셤

181 LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 220

204 LINLSLISSGTYRCVAINQMGSASCELTLSVTEPSQGRVA 243 셤

Search completed: August 4, 2005, 06:07:08 Job time : 68.7067 secs

Human

Human

Novel Novel Novel Novel

Novel Novel

Novel

Novel Novel

Novel Novel Novel

Human

Human

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The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; antiproliferative; immunosuppressive; antibacterial; and vulnerary. The proliferative proteins and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, secreted protein, cytostatic, anti-proliferative, vulnerary, immunosuppressive, antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing; hyper-vascular disease; chromsome 11.
               Adc49986
Adc49986
Adc47563
Adc47563
Adc47583
Adc7183
Adc7183
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Adc50900
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ss GA, Soppet DR;
                                   ADC49185
ADC47653
ADC47653
ADC47638
ADC738183
ADD6418
ADD6418
ADD5020
ADD5030
ADD6030
                   ADC49986
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              disorders, related to the proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB08940 standard; protein; 245 AA
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98US-0102895P.
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s G, Endress GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
WPI; 2000-283538/24
Komatsoulis G,
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02-OCT-1998;
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(without alignments)
1268.128 Million cell updates/sec
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                 GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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Gapop 10.0 , Gapext 0.5
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geneseqp2001s:*
geneseqp2002s:*
geneseqp2003as:*
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Maximum Match 100$
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Maximum DB seq length: 2000000000
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              immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agoniets or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA19043 to AAA39051
                                                                                                                                                                                                                                                                                                                                              FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                       181 RLGTFPTPSPGSMYQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
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 polynucleotide sequences may be useful for treating disorders of the
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                                                                                                                                                                                                                 100.0%; Score 1286; DB 3;
100.0%; Pred. No. 6.1e-85;
ive 0; Mismatches 0;
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G, Endress GA, Soppet DR;
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98US-0102895P.
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                                                                                                                                                                                                                                                  Conservative
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N-PSDB; AAA39087.
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Best Local Similarity
Matches 245; Conserv
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                                                                                                                                                                                      Sequence 245 AA;
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                                                                                                                                                       invention
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The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-
c expressed in. Examples of the activities are: cytostatic; anti-
c expressed in. Examples of the activities are: cytostatic; anti-
c proliferative; immunosuppressive; antibacterial; and vulnerary. The cording and their proteins and their proteins and treating disorders related to the secreted proteins. The proteins, and commune system, hyperproliferative disorders of the immune system, hyperproliferative disorders, infectious disease, immune system, hyperproliferative disorders, infectious disease, companies that commune as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth the and AAB008800 are sequences used in the exemplification of the present
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                    Human secreted proteins and coding sequences useful in diagnostic and
therapeutic methods for disorders such as immune system or proliferative
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                                                                                                        Claim 11; Page 376-377; 416pp; English.
                                                              disorders, related to the proteins.
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AA298109 to AA298242 encode AAY87224 to AAX87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have cutioning inti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiathmatic activities, and can be cardiovascular and antiathmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders of CK HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell-proliferation of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell-proliferation of Transois, psoriasis, acquired immune deficiency syndrome, anaemia, croprise disease, microbial or other infections, congestive or ischaemic heart disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's Parkinson's or Huntington's diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP or uncleic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for diagnosis and monitoring), in gene therapy, as antisense, triplex-forming or ribozyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise constitution defenses (in neural immunostation), as the production of transcenting related sequences or genetic related diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                related diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                                                                                                                                                                                                       Gorgone GA, Corley NC, Guegler KJ, Bar
Oung J, Yue H, Patterson C, Reddy R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 177-178; 327pp; English.
                                                                                                                                                                                                          98US-0094983P.
98US-0102686P.
98US-0112129P.
                                                                                                                                              99WO-US014484.
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Akerblom IE, Au
                                                             WO200000610-A2.
                        Homo sapiens.
                                                                                                                                                                                                          31-JUL-1998;
01-OCT-1998;
11-DEC-1998;
                                                                                                                                              25-JUN-1999;
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Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; immune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alcheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour; nephritis; therapy.
                                                                                             AAY94857 standard; protein; 327 AA.
                                                                                                                                                      Human protein clone HP10568.
                                                                                                                                   (first entry)
                            RVA 243
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Baughn MR; R, Hillman JL;

Homo sapiens

WO200005367-A2.

03-FEB-2000

99WO-JP003929 22-JUL-1999; 98JP-00208820. 98JP-00224105. 98JP-00238116. 07-AUG-1998 24-JUL-1998

98JP-00254736 98JP-00275505 25-AUG-1998; 09-SEP-1998; 29-SEP-1998;

(SAGA) SAGAMI CHEM RE (PROT-) PROTEGENE INC.

CHEM RES CENT

Kato S, Kimura T;

WPI; 2000-182694/16.

Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.

Claim 1; Page 183-184; 351pp; English.

This sequence represents a human protein of the invention, which has hydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify genetic marker. The protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell differentiation activities and induces production of proliferation, cell differentiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat infections. The protein is also used for treating autoimmune disorders such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid arthritis. It is also useful in the treatment of allergic reactions and conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis and consequently in the treatment of myeloid or lymphoid cell

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deficiencies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoarthritis and in the treatment of periodontal disease and other tooth repair processes. The protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibit related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia communication injury, arthritis, and nephritis. They can be used to prevent
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99US-0146843P.
99US-0148188P.
99US-0149320P.
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03-AUG-1999;
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17-AUG-1999;
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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, and lymphoid malignancies, neuronal, glial, astroytal, chypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders; and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively conditions the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or
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Pred. No. 3.8e-84;
0; Mismatches 0;
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100.0%; Prev
0; N
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99US-0149327P.
99US-0149396P.
99US-0150114P.
99US-0151700P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         proliferation in mammals.
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20-AUG-1999;
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AAU83709 standard; protein; 327 AA.

RVA 243

241

Human PRO protein, Seg ID No 236.

(first entry)

08-MAY-2002

AAU83709;

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AAU83709
                                                                        RESULT
                                                                                                            The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89044-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant)agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune concers of adiagnosis, autoimmune hamolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders euch as myocardial ischemanas; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infections diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/published_pot_sequences
                               Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabletic; antiinflammatory; antiuleer; vulnerary; anticonvulsant; antideterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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Pred. No. 3.8e-84;
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100.0%; Pred. No. ...
... 0; Mismatches
polypeptide SEQ ID NO 2730
                                                                                                                                                                                                                                                  18-MAY-2001; 2001WO-US016450
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                                                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME SCI INC.
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Best Local Similarity
Matches 243; Conserv
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Human
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셤 ò 유 8 셤 ઠે 셤 8

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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides encode human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung
Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha.
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TF. Watanabe CK,
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Smith V, Stephan JF,
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10-NOV-2000; 2000WO-US023338.
28-NOV-2000; 2000WS-0253646P.
01-DEC-2000; 2000WS-0253646P.
20-DEC-2000; 2000WS-00747559.
20-DEC-2000; 2000WO-US034956.
28-FEB-2001; 2001WO-US066520.
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25-MAY-2001; 2001WO-US017092
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22-AUG-2000;
23-AUG-2000;
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cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte calls, for stimulating the proliferation or differentiation of chondrocyte calls, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human blood, fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AdU83592-AAU83713 represent human PRO protein sequences of the invention
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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N-PSDB; ACA66958.
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                                                                                                                                          Sequence 327 AA;
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                                                                                                                                                                                                                              polypeptides, and the polymucleotide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polymucleotides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUS0739-ABUS0806 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                         present invention relates to the isolation of novel human PRO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 1277; DB 6;
Pred. No. 3.8e-84;
0; Mismatches 0;
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100.0%; Pre
                                                                                                                                    Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066.
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(first entry)

25-JUN-2003

ABU82165;

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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide captured in the specification; or (b) any of 122 nucleotide are useful sequences having e.g. 4834, 2504 or 1759 bp fully defined in the companient of the full length coding sequence of any these 122 nucleotide sequences. The PRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, blosensors or bloreactors. These are particularly useful for detecting tumour, rectal tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour) in a mammal, for stimulating the release of TNF-alpha from human blood, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation. The PRO nucleic acid or polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic cartilage disorders (e.g. sports injustes or arthritish), or wounds. The PRO polypeptides are useful as molecular weight markers, or for chormosome calso useful as molecular weight markers, or for chormosome calso useful as molecular weight markers, or for carendaring libraries of human cDNA, genomic DNA or mRNA. The PRO genes may calso be used in gene therapy, particularly for replacing a defective control of transmembrane PRO polypeptide and no acid sequence of a novel human secreted and control of transmembrane PRO polypeptide and no acid and sequence of a novel human secreted and
                                                                                                                                                                                                                New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis or wounds in a mammal.
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                                                                                    Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                         Claim 11; Fig 236; 314pp; English.
09-APR-2002; 2002US-00119480
                                                                                  Desnoyers L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 243; Conservative
                                      (GETH ) GENENTECH INC
                                                                                                                                                  2003-512315/48.
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                                                                                                                                                                    N-PSDB; ACD68710
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                                                                                Baker KP, De
Grimaldi JC,
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ABU82165 standard; protein; 327 AA.

RESULT 10 ABU82165

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                                                                                                                                                            antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; andothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; age-related secular degeneration; atherosclerosis; hypertension; trefarial restenosis; hemmatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in mollecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                             cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention describes one hundred and eighty seven nucleic acids
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                                                                                                   Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                        Human; secreted and transmembrane protein; PRO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 11; Fig 236; 314pp; English.
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New nucleic acid encoding for a PRO protein, useful for the manufacture of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
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Smith V, Stephan JF, Watanabe CK, Wood WI;
               RIGTFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                               PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
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                                                                                                                                                                                 ABJ72345 standard; protein; 327 AA.
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                Human PRO7154 protein.
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                                                                 241 RVA 243
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Grimaldi JC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Goddard A, Godowski PJ;
ohan JF, Watanabe CK, Wood WI;
                                                                                                                RLGTFPTPSFGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
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                                                 COVNNPPDEYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gerritsen ME, Goddard / Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                        ABJ72473 standard; protein; 327 AA.
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                      Human PRO7154 protein.
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N-PSDB; ABT44626.
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Grimaldi JC,
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ABJ72175;
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                                                                                        120
                                                                                                       FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                           FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                     CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                    RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                   181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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Wood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gene therapy;
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Smith V, Stephan JF, Watanabe CK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             chondrocyte stimulation; TNF-alpha stimulation; gene
dermal fibroblast stimulation; tumour; tissue typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane polypeptide PRO 7154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO34368 standard; protein; 327 AA.
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-492274/46.
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tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                1 MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS
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                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human membrane bound receptor/protein PRO7154 amino acid sequence.
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                                                                                                                                                                                          Length 327;
                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                     99.3%; Score 1277; DB 6;
100.0%; Pred. No. 3.8e-84;
ive 0; Mismatches 0;
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02-MAR-2000; 2000WO-US005841.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
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                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 243; Conservative
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Grimaldi JC, Gurney
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                                                                                                                                  Sequence 327 AA;
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01-JUN-2001; 2001WO-US017800. 29-JUN-2001; 2001WO-US021066. 09-APR-2002; 2002US-00119480.

(GETH) GENENTECH INC.

12-AUG-2002; 2002US-00218849

US2003073814-A1. Homo sapiens.

17-APR-2003

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                                                                  This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governmed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins. These membrane bound proteins and receptors may be of use as pharmaceutical and diagnostic agents, such as in the blocking of receptor ligand interactions. The current invention provides the amino acid sequences of novel human membrane bound receptors and proteins of the invention may have cytostatic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the amino expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB83726 standard; protein; 327 AA.
                                    Claim 11; Fig 236; 315pp; English
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ADB83726
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The invention describes an isolated PRO (secreted and transmembrane)

polypeptide (I). PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are

cousful for stimulating the pro11feration of or gene expression in

pericyte cells. PRO357, PRO229, PRO11272 or PRO4405 polypeptide are useful

for stimulating the pro11feration or differentiation of chondrocyte

cells. PRO231, PRO357, PRO135, PRO1186 or PRO1419 polypeptide

are useful for stimulating the release of tumour necrosis factor (TMP)-

alpha from human blood. PRO982, PRO351, PRO136, PRO1419, PRO1419,

CC alpha from human blood. PRO982, PRO551, PRO106, PRO1419, PRO130,

CC PRO1434, PRO134, PRO1055, PRO1951, PRO1911, PRO1130,

CC PRO1286, PRO1330, PRO1347, PRO1305, PRO1944, PRO1374, PRO1306,

CRO1286, PRO1330, PRO1347, PRO1305, PRO1474, PRO1449, PRO1314,

CC PRO1987, PRO592, PRO4409, PRO1409, PRO4331, PRO3444, PRO4322,

CRO9940, PRO6079, PRO9836 or PRO10096 polypeptide are useful for

CC Stimulating the pro11feration of normal human dermal fibroblast cells.

CR PRO181, PRO525, PRO7184, Or PRO1425 polypeptide are useful for

CR CHAILST PRO525, PRO7184, Or PRO1425 polypeptide are useful for cure alphibiting the pro11feration of normal human dermal fibroblast cells.

CR CA cuseful for detecting the presence of tumour in a mammal which

care useful for detecting the presence of tumour in a mammal which

care useful for the same cell type, where a higher level of expression of

the PRO polypeptides in the test sample as compared to the control sample

CC the PRO polypeptides in the test ample as compared to the control sample

cr sindicative of the presence of tumour in the mammal. The tumour or

charact alpha tumour present tumour in the nemmal call tumour or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tumour, colon tumour, breast tumour, prostate tumour, rectal tumour or tumour. (I) is useful as molecular weight markers, for tissue typing, or as therapeutic agents. A polynucleotide (II) encoding (I) is useful for chromosome and gene mapping or gene therapy. (II) is useful for generating transgenic animals or knock-out animals which are useful screening useful reagents. PRO357, PRO325, PRO1270 or PRO4405 polypeptide is useful for treating bone and/or cartilage disorders (e.g., arthritis, sport injuries). This is the amino acid sequence of a human secreted and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                      New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
         Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
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100.0%; Pred. No. 3.8e-84;
ive 0; Mismatches 0;
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Best Local Similarity 100.0
Matches 243; Conservative
    Desnoyers L,
C, Gurney AL,
                                                                                                                                            WPI; 2003-644806/61.
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Baker KP,
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Db 61 FVQPGKFISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

Qy 121 CQVNNPPDPYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy 181 RLGTFPTPSPGSNVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Db 181 RLGTFPTPSPGSNVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy 241 RVA 243

Search completed: August 4, 2005, 06:07:07

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Sequence:

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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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Best Local Similarity 100.0%; Pred. No. 1.1e-96;
Matches 245; Conservative 0; Mismatches 0;
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US-10-227-813-236
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US-10-219-003-236
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US-10-219-528-236
US-10-227-881-236
US-10-23-232-236
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
CURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
PRIOR PILING DATE: 2000-03-20
PRIOR PILING DATE: 1999-10-02
PRIOR PILING DATE: 1999-10-02
NUMBER OF SEQ. ID NOS: 140
SEQ. ID NOS: 140
SEQ. ID NOS: 455
TYPE: PRT
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US-10-232-229-236
US-10-232-234-236
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, Sequence 98, Application US/09820893
; Patent No. US20020076705A1
; GENERAL INFORMATION:
ORGANISM: Homo sapiens
US-09-820-893-98
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Sequence 81, Appl
Sequence 83, Appl
Sequence 236, App
                                                                                 August 4, 2005, 06:13:42 ; Search time 66.3695 Seconds (without alignments) 1447.018 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*

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            GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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; Publication No. US20040048294A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2033P1
; CURRENT APPLICATION NUMBER: US/10/607,565
; CURRENT FILING DATE: 2003-06-27
; PRIOR FILING DATE: 2000-03-20
; PRIOR PILING DATE: EARLIER REALIER APPLICATION NUMBER: 60/101,546
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
; WINDER OF SEQ ID NOS: 140
; SOFTWARE: PatentIN Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                          Length 246;
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; OTHER INFORMATION: Xaa equals stop translation
US-10-607-565-83
                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Xaa equals stop translation US-09-820-893-83
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 83
LENGTH: 246
                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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FEATURE:
NAME/KEY: SITE
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LOCATION: (246)
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Publication No. US2004048294A1

GENERAL INFORMATION:
APPLICANT Rosen et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2000-03-06-27
PRIOR PILING DATE: 2000-03-06-27
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: 60/101,546
PRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PATENTIN VET: 2.0
SOFTWARE: PATENTIN VET: 2.0
SOFTWARE: PATENTING DATE: 1998-10-02
SOFTWARE: PATENTING DATE: 1998-10-02
SOFTWARE: PATENTING DATE: 2.0
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US-09-820-831
US-09-820-833

Sequence 83, Application US/09820893

Patent No. US20020076705A1

GENERAL INFORMATION:
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1

CURRENT PILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: US/09/820,893
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , ORGANISM: Homo sapiens
US-10-607-565-98
                                                                                                                                                                                                                                           RVAEL 245
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R FILING DATE: 1998-05-22

R APPLICATION NUMBER: 60/089532

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/08905

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090557

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090557

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090691

R FILING DATE: 1998-06-25

R FILING DATE: 1998-08-04

R APPLICATION NUMBER: 60/095318

R FILING DATE: 1998-08-11

R APPLICATION NUMBER: 60/09516

R APPLICATION NUMBER: 60/09516

R APPLICATION NUMBER: 60/09516

R APPLICATION NUMBER: 60/095118

R FILING DATE: 1998-08-11

R FILING DATE: 1998-08-11
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R APPLICATION NUMBER: 60/099598
R FILING DATE: 1998-09-09
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099812
R APPLICATION NUMBER: 60/099818
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/10038
R FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/098544
FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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APPLICATION NUMBER: 60/101477
FILING DATE: 1998-09-23
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/101786
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FILING DATE: 1998-09-18
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                                       PRIOR 
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APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Geddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Austin L.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Wood, William L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE OF INVENTION: ACIDS ENCODING THE SAME
CURRENT PILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 105/109.
PRIOR APPLICATION NUMBER: 06/06287
PRIOR PELING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-13
PRIOR PELING DATE: 1997-10-13
PRIOR PELING DATE: 1997-10-13
PRIOR PELING DATE: 1997-10-27
PRIOR PELING DATE: 1998-03-25
                                                                                                                                                                                                                                                        181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
                                                                                                                               COVNNPPDFYTINGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                                                                                                                                                                                                                                                                                                                                                                                       181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
PVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 236, Application US/10227884
Publication No. US20030027988A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/085323
FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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APPLICATION NUMBER: 60/082804
FILING DATE: 1998-04-25
APPLICATION NUMBER: 60/084441
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FILING DATE: 1998-10-30 APPLICATION NUMBER: 60/106905

APPLICANT: SEALCH, VICTORIA

APPLICANT: STEPHAN, VICTORIA

APPLICANT: Stephan, Jean-Philippe F.

APPLICANT: Watanabe, Colin L.

APPLICANT: Watanabe, Colin L.

APPLICANT: WATANABER COLIN L.

APPLICANT: WOOD WILLIAM I.

ITTLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: P33091C92

CURRENT APPLICATION NUMBER: U3/10/230,163

CURRENT FILING DATE: 2002-04-09

PRIOR APPLICATION NUMBER: 60/06213

PRIOR APPLICATION NUMBER: 60/06349

PRIOR FILING DATE: 1997-10-10

PRIOR PILING DATE: 1997-10-31

PRIOR PLING DATE: 1997-10-31

PRIOR PLING DATE: 1997-10-31

PRIOR PLING DATE: 1998-03-26

PRIOR PLING DATE: 1998-03-27

PRIOR PLING DATE: 1998-03-27 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 RLGTPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 9 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS , 0 Score 1277; DB 14; Length 327; Pred. No. 8.7e-96; 0; Mismatches 0; Indels 0 Goddard, Audrey Godowski, Paul J. Grimaldi, J. Christopher Gurney, Austin L. Smith, Victoria Sequence 236, Application US/10230163 Publication No. US20030036635A1 GENERAL INFORMATION: PRIOR APPLICATION NUMBER: 60/169495 PRIOR FILING DATE: 1999-12-07 PRIOR APPLICATION NUMBER: 60/169835 Query Match

Best Local Similarity 100.0%; Partches 243; Conservative 0; APPLICANT: Baker, Kevin P. APPLICANT: Desnoyers, Luc APPLICANT: Gerritsen, Mary RVA 243 **RVA 243** US-10-230-163-236 61 61 121 181 241 241 APPLICANT: APPLICANT: 8 셤 ò q ઠ g à d ઠે a

A APPLICATION NUMBER: 60/082804

3R FILING DATE: 1998-04-22

3R FILING DATE: 1998-04-22

3R APPLICATION NUMBER: 60/08441

3R APPLICATION NUMBER: 60/085323

3R APPLICATION NUMBER: 60/085579

3R FILING DATE: 1998-05-15

3R FILING DATE: 1998-05-15

3R FILING DATE: 1998-05-15

3R APPLICATION NUMBER: 60/089532

3R APPLICATION NUMBER: 60/089532

3R APPLICATION NUMBER: 60/089538

3R FILING DATE: 1998-06-17

3R APPLICATION NUMBER: 60/089558

3R APPLICATION NUMBER: 60/089558

3R FILING DATE: 1998-06-17

3R APPLICATION NUMBER: 60/090557

3R FILING DATE: 1998-06-24

3R APPLICATION NUMBER: 60/090657

3R FILING DATE: 1998-06-24

3R APPLICATION NUMBER: 60/090657

3R FILING DATE: 1998-06-25

3R APPLICATION NUMBER: 60/090695

3R APPLICATION NUMBER: 60/090695 DR FILING DATE: 1998-07-07

RAPPLICATION NUMBER: 60/095302

RR FILING DATE: 1998-08-04

RAPPLICATION NUMBER: 60/095318

R FILING DATE: 1998-08-04

R APPLICATION NUMBER: 60/095916

RR FILING DATE: 1998-08-10

RAPPLICATION NUMBER: 60/096146

RAPPLICATION DATE: 1998-08-11 FILING DATE: 1998-08-17 APPLICATION NUMBER: 60/097986 FILING DATE: 1998-08-26 APPLICATION NUMBER: 60/096791 FILING DATE: 1998-08-17 APPLICATION NUMBER: 60/098544 FILING DATE: 1998-08-31 APPLICATION NUMBER: 60/099596 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099598 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099803 FILING DATE: 1998-09-10
APPLICATION UNMBER: 60/099816
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038 FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/099811
APPLICATION NUMBER: 60/099812
APPLICATION NUMBER: 60/099812 FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
FILING DATE: 1988-09-15
APPLICATION NUMBER: 60/100390 FILING DATE: 1998-09-15 APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25 FILING DATE: 1998-09-23 APPLICATION NUMBER: 60/101738 FILING DATE: 1998-04-15 FILING DATE: 1998-09-16 PRIOR
PRIOR PRIOR PRIOR

R FILING DATE: 1998-09-24
R APPLICATION NUMBER: 60/106178
R FILING DATE: 1998-10-28
R APPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
R APPLICATION NUMBER: 60/106464 RELIGIO DATE: 1998-11-17

RAPPLICATION NUMBER: 60/108801

RELIGING DATE: 1998-11-17

RAPPLICATION NUMBER: 60/108849

RELIGING DATE: 1998-11-18

RELIGING DATE: 1998-12-15

RAPPLICATION NUMBER: 60/113296

RAPPLICATION NUMBER: 60/113296

RAPPLICATION NUMBER: 60/113621

RAPPLICATION NUMBER: 60/113628

RELING DATE: 1999-01-12

RAPPLICATION NUMBER: 60/113618

RELING DATE: 1999-01-12

RAPPLICATION NUMBER: 60/113618

RELING DATE: 1999-01-13

RAPPLICATION NUMBER: 60/125259

RELING DATE: 1999-01-13

RAPPLICATION NUMBER: 60/12575

RAPPLICATION NUMBER: 60/126773

RETLING DATE: 1999-01-23

RAPPLICATION NUMBER: 60/12778

RAPPLICATION NUMBER: 60/127887

RAPPLICATION NUMBER: 60/127887

RAPPLICATION NUMBER: 60/130328

RAPPLICATION NUMBER: 60/130328

RAPPLICATION NUMBER: 60/130328

RELING DATE: 1999-04-21

RAPPLICATION NUMBER: 60/130328

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RELING DATE: 1999-04-21

RELING DATE: 1999-04-21 R FILING DATE: 1999-04-26

R APPLICATION NUMBER: 60/131270

R FILING DATE: 1999-04-27

R APPLICATION NUMBER: 60/131291

R FILING DATE: 1999-04-27

R APPLICATION NUMBER: 60/131445

R APPLICATION NUMBER: 60/131485

R APPLICATION NUMBER: 60/131487

R APPLICATION NUMBER: 60/1314287 FILING DATE: 1998-10-30 APPLICATION NUMBER: 60/106905 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/140650 FILING DATE: 1999-06-22 FILING DATE: 1999-07-20 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 APPLICATION NUMBER: 60/149320 APPLICATION NUMBER: 60/140723 DATE: 1999-08-03 PRIOR
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APPLICATION NUMBER: 60/149638

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61 FVQPGKPISBSHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimely, Auterin L.
APPLICANT: Smith, Victoria
APPLICANT: Standbe, Colin L.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, Milliam I.
APPLICANT: Wood, Milliam I.
APPLICANT: ACTOR SENDEND AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACTOR SENOENG THE SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR PRIOR PLING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
                                                                                                                                                                                                                                                                                                                                                                                                  Length 327;
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100.0%; Pred. No. 8.7e-96;
tive 0; Mismatches 0;
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CURRENT FILING DATE: 2002-08-12
PRIOR PAPLICATION NUMBER: 10/119,480
PRIOR PILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/05287
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-38
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069873
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Publication No. US20030045687A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches 243; Conservative
                                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-236
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Best Local Similarity
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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Swith, Victoria
APPLICANT: Swith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
ITILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530P1C92
CURRENT APPLICATION NUMBER: US/10/230,338
CURRENT APPLICATION NUMBER: 10/119,480
PRIOR PILING DATE: 2002-04-09
PRIOR PILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062397
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR PILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069973
PRIOR APPLICATION NUMBER: 60/069973
PRIOR PILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069973
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1997-12-17
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  PRIOR FILING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/16418
PRIOR APPLICATION NUMBER: 60/16418
PRIOR PELING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/169445
PRIOR FILING DATE: 1999-12-07
PRIOR PELING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
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Gerritsen, Mary
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Best Local Similarity
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GENERAL INVORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Desnoyers, Luc

APPLICANT: Gerriteen, Mary

APPLICANT: Goddard, Audrey

APPLICANT: Goddard, Penistropher

APPLICANT: Goddard, Audrey

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Watanabe, Colin L.

APPLICANT: Watunaber: Us/10/232,224

CURRENT APPLICATION NUMBER: Us/10/232,224

CURRENT PILING DATE: 2002-04-09

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/06389

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-17

PRIOR FILING DATE: 1997-10-31

PRIOR APPLICATION NUMBER: 60/064103

PRIOR APPLICATION NUMBER: 60/064103

PRIOR APPLICATION NUMBER: 60/069873
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100.0%; Pred. No. 8.7e-96;
tive 0; Mismatches 0;
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PROMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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Best Local Similarity 100.
Matches 243; Conservative
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ORGANISM: 1
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Grimald, J. Christopher
APPLICANT: Grimald, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Suthh, Victoria
APPLICANT: Satehan, Jean-Philippe F.
APPLICANT: Satehan, Jean-Philippe F.
APPLICANT: Satehan, Jean-Philippe F.
APPLICANT: Satehan J.
APPLICANT: Satehan J.
APPLICANT: SATEMANEMBRANE POLYPEPTIDES AND NUCLEIC
ITILE OF INVENTION: ACIDS ENCODING THE SAME
FILLS OF INVENTION NUMBER: 10/119,480
FRIOR FILLING DATE: 1997-09-17
FRIOR PILLING DATE: 1997-09-17
FRIOR FILLING DATE: 1997-10-28
FRIOR FILLING DATE: 1997-10-28
FRIOR FILLING DATE: 1997-10-31
FRIOR FILLING DATE: 1997-10-11
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PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-27
PRIOR PILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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Pred. No. 8.7e-96;
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Best Local Similarity 100.
Matches 243; Conservative
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ORGANISM: Homo Sapien
US-10-218-631-236
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LENGTH: 327
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Sequence 236, Application US/10218849

| Publication No. US20030073814A1
| Sequence 236, Application No. US20030073814A1
| GENERAL INFORMATION:
| APPLICANT: BEAREY, Kevin P. |
| APPLICANT: Gerritsen, Mary
| APPLICANT: Goddard, Audrey
| APPLICANT: Goddard, Audrey
| APPLICANT: Godney, Austin L. |
| APPLICANT: Gurney, Austin L. |
| APPLICANT: Stephan, Jean-Philippe F. |
| APPLICANT: Matanabe, Colin L. |
| APPLICANT: Wood, Willian I. |
| TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC |
| TITLE OF INVENTION: ACIDS ENCODING THE SAME |
| FILE REFERENCE: PS530P1C11 |
| CURRENT FILING DATE: 2002-08-12 |
| CURRENT FILING DATE: 2002-08-12 |
| Publication removed - co. 11. Matanabe
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PRIOR APPLICATION NUMBER: 60/069873

PRIOR APPLICATION NUMBER: 60/078910

PRIOR APPLICATION NUMBER: 60/078910

PRIOR PELLING DATE: 1998-03-25

PRIOR PILING DATE: 1998-03-25

PRIOR PELLOR FILING DATE: 1998-03-26

PRIOR PELLOR DATE: 1998-03-26

PRIOR PELLOR DATE: 1998-03-26

PRIOR PELLOR DATE: 1998-03-26

PRIOR PILING DATE: 1998-03-26

| PRIOR PILING DATE: 1998-03-26
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ORGANISM: Homo Sapien
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ORGANISM: Homo Sapien
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APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Daul J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
AP
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PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/078910
PRIOR PILING DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-25
PRIOR PLICATION NUMBER: 60/079294
PRIOR PLING DATE: 1998-03-25
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100.0%; Pred. No. 8.7e-96;
iive 0; Mismatches 0;
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CURRENT FILING DATE: 2002-06-09
PRIOR PELING DATE: 2002-06-09
PRIOR PILING DATE: 2003-04-09
PRIOR PILING DATE: 1997-09-17
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PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
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Best Local Similarity 100.C
Matches 243; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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R APPLICATION NUMBER: 60/095302
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R APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089905
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/090472
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APPLICATION UNMBER: 60/090691
PILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/100390
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APPLICATION NUMBER: 60/100627
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FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/097986
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APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/100848
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APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/106178
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FILING DATE: 1998-09-23
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FILING DATE: 1998-05-22
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APPLICATION NUMBER: 60/081819
FLING DATE: 1998-04-15
APPLICATION NUMBER: 60/081955
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APPLICATION NUMBER: 60/082804
FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/084441
FILING DATE: 1998-05-06
Best Local Similarity 100.0%; P.
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PRIOR FILING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16945
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169495
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NR APPLICATION NUMBER: 60/095318
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NR APPLICATION NUMBER: 60/095916
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NR APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038
FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/099811
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AAPPLICATION NUMBER: 60/099812
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APPLICATION NUMBER: 60/099596
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APPLICATION NUMBER: 60/099598
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APPLICATION NUMBER: 60/099803
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APPLICATION NUMBER: 60/100919
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FILING DATE: 1998-09-23
APPLICATION NUMBER: 60/101738
FILING DATE: 1998-09-24
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FILING DATE: 1998-08-17
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  FILING DATE: 1998-03-27
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PRIOR 
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R FILING DATE: 1998-09-25

R APPLICATION NUMBER: 60/101916

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R FILING DATE: 1998-10-28

R FILING DATE: 1998-10-28

R APPLICATION NUMBER: 60/106148

R FILING DATE: 1998-10-29

R APPLICATION NUMBER: 60/106464

R FILING DATE: 1998-11-03

R APPLICATION NUMBER: 60/10801

R FILING DATE: 1998-11-17

R PILING DATE: 1998-11-17

R PILING DATE: 1998-11-17

R FILING DATE: 1998-11-18

R FILING DATE: 1998-11-18

R FILING DATE: 1998-11-18

R FILING DATE: 1998-11-18

R FILING DATE: 1998-12-25

R FILING DATE: 1998-12-22

R APPLICATION NUMBER: 60/113296

R FILING DATE: 1998-12-22

R APPLICATION NUMBER: 60/113296

R FILING DATE: 1998-12-22

R APPLICATION NUMBER: 60/113658

R FILING DATE: 1998-12-23

R APPLICATION NUMBER: 60/115558 R APPLICATION NUMBER: 60/125259
R FILING DATE: 1999-03-19
R PILING DATE: 1999-03-23
R APPLICATION NUMBER: 60/126773
R PILING DATE: 1999-04-05 APPLICATION NUMBER: 60/101786 FILING DATE: 1998-09-25 FILING DATE: 1999-01-12 APPLICATION WINBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-10 FILING DATE: 1999-04-26
APPLICATION NUMBER: 60/131270
FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131291 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/140650 PFILING DATE: 1999-06-22 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-07-26 FILING DATE: 1999-06-22 FILING DATE: 1999-07-20 FILING DATE: 1999-06-23 PRICOR

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APPLICANT: Goddard, Audrey
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Godwski, Paul J.
APPLICANT: Gurmaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
ITILE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ITILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330PLG2
CURRENT APPLICATION NUMBER: US/10/19,480
PRIOR APPLICATION NUMBER: 00/06208-14
PRIOR APPLICATION NUMBER: 60/06313
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06387
PRIOR APPLICATION NUMBER: 60/06384
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR FILING DATE: 1997-10-31
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Best Local Similarity 100.0%; Pred. No. 8.7e-96;
Matches 243; Conservative 0; Mismatches 0;
PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-10-09
PRIOR PILING DATE: 1999-11-09
PRIOR FILING DATE: 1999-11-09
PRIOR FILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-12-07
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Publication No. US20030078379A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/079910
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-25
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-27
REMAING PAPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
REMAINING PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
REMAINING PRIOR PRIOR APPLICATION NUMBER: 60/079728
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Job time : 67.3695 secs
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; ORGANISM: Homo Sapien
US-10-219-076-236
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GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
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4, 2005, 05:53:15; Search time 75.0264 Seconds (without alignments) 1268.128 Million cell updates/sec August Run on:

US-10-607-565-83 1287 Title: Perfect score:

246 1 MAELPGPFLCGALLGFLCLS.....SCELTLSVTEPSQGRVAELX Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

2105692 seqs, 386760381 residues Searched:

Total number of hits satisfying chosen parameters:

seq length: 0 seq length: 2000000000 Minimum DB Maximum DB

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

geneseqp2002s:* geneseqp2003as:* A Geneseq 16Dec04:* geneseqp2003bs:* geneseqp1980s:* geneseqp1990s:* geneseqp2000s:* geneseqp2001s:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqp2004s:*

SUMMARIES

Description	Coo nemin Opooyes	THE PERSON	Human	Human	Human	Human	Aau83709 Human PRO	Abu80856 Human PRO		Abu82165 Novel hum	Abj72345 Human PRO	Human	Abo34368 Human sec	Human	Nove1	Adb80832 Novel hum	Adb73373 Novel hum	Adb78455 Novel hum	Adb85103 Human PRO	Adb78209 Novel hum	Adb87275 Human PRO	Adb84857 Human PRO	Adb83972 Novel hum	Novel	Adc36965 Human PRO
8	AABOR940	AARORGO	AAY87251	AAY94857	AAY97585	ABB90354	AAU83709	ABU80856	ABO33822	ABU82165	ABJ72345	ABJ72473	AB034368	ABJ72175	ADB83726	ADB80832	ADB73373	ADB78455	ADB85103	ADB78209	ADB87275	ADB84857	ADB83972	ADB73127	ADC36965
igth DB	245 3	246 3	327 3	327 3	327 4	327 5	327 5	327 6	327 6	327 6	327 6	327 6	327 6	327 7	327 7	327 7	327 7	327 7	327 7	327 7	327 7	327 7	327 7	327 7	327 7
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Score	1286	1286	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
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ADC21955	ADC49986	ADC49185	ADC49702	ADC47563	ADC47308	ADC78183	ADD06418	ADC77937	ADD50900	ADD51146	ADD50627	ADD50381	ADD51392	ADC48939	ADE21110	ADE05954	ADD75183	ADD75929	ADD85161
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99.2	99.2	99.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.2	99.5	99.2	99.2	99.2	99.2	99.2	99.2
1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277	1277
56	27	28	53	30	31	32	33	34	32	36	37	38	39	40	41	42	43	44	45

ALIGNMENTS

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Human; secreted protein; cytostatic; anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; ecreening; food additive; preservative; wound healing;
                                                                                                                                                                                                                                                                                                                                      Human secreted protein sequence encoded by gene 13 SEQ ID NO:97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hyper-vascular disease; chromsome 11.
                                                                                   AAB08940 standard; protein; 245 AA.
                                                                                                                                                                                                                                                       (first entry)
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RESULT 1
                                            AAB08940
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30-MAR-2000.

99WO-US022012. 22-SEP-1999;

98US-0101546P. 98US-0102895P. 23-SEP-1998; 02-OCT-1998; (HUMA-) HUMAN GENOME SCI INC.

'n. PE, Young Lafleur DW, Rosen CA, Duan RD, Shi Y, s G, Endress GA, Soppet DR; Komatsoulis G, Ruben SM,

. .

WPI; 2000-283538/24.

Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins.

Disclosure; Page 40; 416pp; English.

The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; anti-proliferative; immunosuppressive; antibacterial; and vulnerary. The secreted proteins and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnostic and the secreted proteins. The proteins, and

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useful for

Human; secreted protein; cytostatic; anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperproliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing; hyper-vascular disease; chromsome 11. Human secreted protein sequence encoded by gene 13 SEQ ID NO:83. Young Lafleur DW, Duan RD, Shi Y, ss GA, Soppet DR; AAB08926 standard; protein; 246 AA. 98US-0101546P 99WO-US022012 (HUMA-) HUMAN GENOME SCI INC Endress GA, Rosen CA, Komatsoulis G, WO200017222-A1 22-SEP-1999; 23-SEP-1998; 02-OCT-1998; 30-MAR-2000 Ruben SM. AAB08926 RESULT

the polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are expressed in. Examples of the activities are: cytostatic; antic expressed in. Examples of the activities are: cytostatic; antic proliferative; immunosuppressive; antibacterial; and vulnerary. The contents and their related polymicleotide sequences are useful for diagnostic and therapoutic methods useful for diagnosing and treating disorders related to the secreted proteins. The proteins, and companies of the copymicleotide sequences may be useful for treating disorders of the regeneration of tissues, for chemotaxis and for screening molecules that content the proteins or polymicleotide sequences may be useful for increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, content, lipid, protein, carbohydrate, vitamins, cantegonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 increase used in the exemplification of the present Human secreted proteins and coding sequences useful in diagnostic and therapeutic methods for disorders such as immune system or proliferative disorders, related to the proteins. Claim 11; Page 376-377; 416pp; English.

Sequence 246 AA;

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180 180 240 240

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Gaps

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Indels

Length 245;

ö 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240 61 FVQPGKPISESHPILYPTMGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240 9 1 MAELDGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELICTYSTSVGDSFALEWS FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS Gaps ö Length 246; Indels Score 1286; DB 3; Pred. No. 6.1e-85; 0; Mismatches 0; 100.0%; Pred. No. 6.1 ive 0; Mismatches . \$6.66 245; Conservative Local Similarity 61 181 Query Match 121 Matches 셤 요 à В ð ò ò

RVAEL 245 RVAEL 245 241 ò

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RESULT

Human signal peptide containing protein HSPP-28 SEQ ID NO:28. AAY87251 standard; protein; 327 AA. (first entry) 11-MAY-2000 AAY87251; AAY8725

Human; signal peptide-containing protein; HSPP; diagnosis; cancer; inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimitation; cardiovascular; hepatorropic; antiathmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; cirrhosis; psoriassis; acquired immune deficiency syndrome; anaemia; asthma; Crohn; s disease; infection; Alzheimer's disease; schhzophrenia; Parkinson's disease; Huntington's diseases; ovulatory defect;

muscular dystrophy.

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WPI; 2000-283538/24. N-PSDB; AAA39087.

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human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticanner, anti-inflammatory, antimicrobial, nootropic, hepatotropic, cardiovascular and antiasthmatic activities, and can be acticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immume deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or cirrhosis, psoriasis, acquired immume deficiency syndrome, anaemia, asthma, Crohn's disease, Alzheimer's, Parkinson's or Huntington's diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP nucleic acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for dateocing sand monitoring), in gene therapy, as antisense, triplex-forming or ribosyme therapeutic agents, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise (potential therapeutic agents). As are used to diagnose, or monitor, HSPP compared diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                                                                                                                                                                                                              Gorgone GA, Corley NC, Guegler KJ, Baughn MR; Young J, Yue H, Patterson C, Reddy R, Hillman JL;
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98US-0094983P.
98US-0102686P.
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                                                                                                                                                                                                                                                                                                     (INCY-) INCYTE PHARM INC.
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Matches 243; Conservative
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N-PSDB; AAZ98136.
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Akerblom IE, Au
                                                             WO200000610-A2.
                      Homo sapiens.
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hydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differentiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune unspressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat

This sequence represents a human protein of the invention, which has

Claim 1; Page 183-184; 351pp; English.

infectious diseases caused by viral, bacterial, fungal or other infections. The protein is also used for treating autoimune disorders such as multiple sclerosis, systemic lupus exthematosus, and rheumatoid arthritis. It is also useful in the treatment of allergic reactions and

conditions such as asthma, and in immune suppression after organ transplantation. The protein is useful in regulation of haematopoiesis and consequently in the treatment of myeloid or lymphoid cell

Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.

WPI; 2000-182694/16.

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Human protein; hydrophobic domain; nutritional source; haematopoiesis; cytokine production; cell proliferation; cell differentiation; immune deficiency; infectious disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; nephritis; therapy.
                                                                                                AAY94857 standard; protein; 327 AA.
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                                                                                                                                                         Human protein clone HP10568.
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(PROT-) PROTEGENE INC.
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                                               RVA
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deficiencies. It is also used in compositions for tissue growth or regeneration. The protein is also used in the treatment of osteoporosis or osteoparhritis and in the treatment of periodontal disease and other tooth repair processes. The protein is used in the treatment of nervous system disorders such as Alzheimer's disease, Parkinson's disease, and Huntington's disease. They are useful for protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia treperfusion injury, arthritis, and nephritis. They can be used to prevent
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99US-0144790P.
99US-0146843P.
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99US-0149320P.
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03-AUG-1999;
10-AUG-1999;
17-AUG-1999;
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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, carcinomas, sarcomas, glioblastomas and various head and neck tumours); clerkaemias and lymphoid malignancies, neuronal, glial, astrogal, or proteins and other glandular, macrophageal, epithelial, stromal and blastococlic disorders, and inflammatory, angiogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or condition, which is responsive to the PRO polypeptide, its antagonist or
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                                                                                                                                                                                                                              Gurney AL,
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                       99US-0149396P.
99US-0150114P.
99US-0151700P.
99US-0151734P.
99US-0149327P.
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                                                                                                                                                                                                                                                                                                                                                                                                                         proliferation in mammals.
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20-AUG-1999;
31-AUG-1999;
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AAU83709 standard; protein; 327 AA

AAU83709;

RVA 243

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The mucleic acids, proteins antissues disclosed in the specification. The mucleic acids, proteins, antibodies and (ant) agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, lurg, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemias; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infections diseases e.g. cerebral anoxia and epilepsy; and (f) infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly tree may be an anoxia and epilepsy of the printed specification, but was obtained in electronic format directly tree from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                 Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabletic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders.
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Pred. No. 3.8e-84;
0; Mismatches 0;
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100.0%; Pre-
Human polypeptide SEQ ID NO 2730.
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or liver tumor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                            Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
                                                                                                       breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; tumour necrosis factor-alpha.
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                                                                 PRO protein, Seg ID No 236.
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10-NOV-2000; 2000WO-US036873.
28-NOV-2000; 2000US-0253646P.
01-DEC-2000; 2000WO-US032678.
20-DEC-2000; 2000WO-US034956.
20-DEC-2000; 2000WO-US034956.
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2000US-0220664P.
2000US-0220666P.
2000US-0220893P.
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2000US-0220605P.
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2000US-0220624P.
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2000US-0227133P.
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                                       (first entry)
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                                                                                                                                                              Homo sapiens.
                                       08-MAY-2002
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cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in pericyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the release of tumour necrosis factor-alpha from human blood, for stimulating or inhibiting the proliferation of normal human blood, for stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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2001WO-US021066.
2002US-00119480.
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Grimaldi JC, Gurney AL,
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N-PSDB; ACA66958.
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                                                                                                         The present invention relates to the isolation of novel human PRO polypeptides, and the polynucleotide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polynucleotides are useful for preparing a medicament useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUS0739-ABUS0860 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
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100.0%; Pred. No. 3.8e-84;
ive 0; Mismatches 0;
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                                                                           Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066
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Best Local Similarity
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(first entry)

25-JUN-2003

ABU82165;

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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide compression or the full length coding sequence of any these 122 nucleotide sequences. The PRO polypeptides or polynucleotides are useful sepecification; or the FRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These are cumour, breast tumour, prostate tumour, rectal tumour, or liver tumour) or the problemant of the proliferation of the properties of the proliferation of deferentiation of chondrocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, or for modulating normal human dermal fibroblast proliferation. The PRO nucleic acid or polypeptide is also useful for treating tumours or various bone and/or cartilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets cereening libraries of human normal screeted and in the adjacence of a novel human secreted and transmembrane PRO polypeptide are useful er novel human secreted and transmembrane PRO polypeptide or a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                          genes, and its encoded secreted and transmembrane polypeptides, ill for stimulating Tumor Necrosis Factor alpha, or chondrocyte or cyte proliferation, especially for treating lung tumors, arthritis or
                                                                                               Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                 Gerritsen ME, Goddard /
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                   Claim 11; Fig 236; 314pp; English.
09-APR-2002; 2002US-00119480.
                                                                                               Desnoyers L,
                                              (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                pericyte proliferat
wounds in a mammal
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                                                                                                                      Grimaldi JC,
                                                                                               Baker KP,
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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 240 9 1 MAELEGEPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV RIGTPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG Gaps ö Length 327; Indels 99.2%; Score 1277; DB 6; 100.0%; Pred. No. 3.8e-84; ive 0; Mismatches 0; Matches 243; Conservative Local Similarity Sequence 327 AA; **RVA 243 RVA 243** 61 121 181 Query Match 241 8 8 ò 유 ò 셤 ò 셤 8

121

ABU82165 standard; protein; 327 AA.

RESULT 10 ABU82165 ID ABU8

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Human; secreted and transmembrane protein; PRO; cardiant; cytostatic; antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertension; atterial restenosis; rheumatoid arthritis; angina; mycoardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention describes one hundred and eighty seven nucleic acids encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiacusar, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthris, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                        Novel human secreted and transmembrane protein PRO7154.
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Smith V, Stephan JF,
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0; Mismatches
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01-JUN-2001; 2010WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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nes 243; Conservative
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                                                                                                                                                                                                                                                                                                    Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New nucleic acid encoding for a PRO protein, useful for the manufacture of a medicament for diagnosing or treating tumors or for measuring or detecting expression of an associated gene.
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                  RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                  RIGTEPTPS PGSMVQDEVSGQLILITILS LTSSGTYRCVATNOMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood
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Smith V, Stephan JF,
                                                                                                                                                                                         ABJ72345 standard; protein; 327 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Best Local Similarity 100.
Matches 243; Conservative
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                                                                                                                                                                                                                                                                                     Human PRO7154 protein.
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                                                                             RVA 243
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                                               181
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61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120

1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS

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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                       RLGTFPTPSPGSMVQDEVSGQL1LTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                  COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                           PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte; tumour necrosis factor; proliferation; differentiation; gene therapy;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                          Human PRO7154 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  dermal fibroblast.
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Grimaldi JC,
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tissue typing. Anti-PRO antibodies are useful in diagnostic assays for PRO and in affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-FEB-2000; 2000WO-US005004
02-WAR-2000; 2000WO-US005841.
01-JUN-2001; 2001WO-US017800
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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N-PSDB; ABT43999.
                                                                                                 Best Local Similarity
Matches 243; Conserv
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                                                             Sequence 327
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                                                                                                                                                            The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and screening of therapeutically useful reagants. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome fadentification, as chromosome markers, or in generating probes to isolate full length PRO cDMs. The PRO polypeptides are useful for chondrocyte stimulation, TNP-alpha stimulation, human dermal fibroblasts stimulation and for detecting the presence of tumour in an mammal. The PRO polypeptides are useful as molecular markers for protein electrophoresis and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides and nucleic acids may also be used in
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phan JF, Watanabe CK, Wood WI;
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               MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                               FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                               CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                               RIGIFPIPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                                                                                                                                                                                                                                                                                   chondrocyte stimulation, TNP-alpha stimulation, gene therapy, lermal fibroblast stimulation, tumour, tissue typing,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
                                                                                                                                                                                                                                                                                                                                                            secreted/transmembrane polypeptide PRO 7154.
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                                                                                                                                                                                                                                                                                   ABO34368 standard; protein; 327 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2001; 2001WO-US017800
29-JUN-2001; 2001WO-US021066,
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                 human dermal fibrobla
affinity purification
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Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                                                                               1 MABLPGPFLCGALLGFLCLSGLAVBVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS
                                                                                                                                                                            1 MAELPGPFLCGALLGFLCTSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                  PVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   121 COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
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                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human membrane bound receptor/protein PRO7154 amino acid sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; PRO; membrane bound protein; membrane bound receptor; cell proliferation; cell migration; cell differentiation; mitogenic factor; avrvival factor; cytotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Goddard A, Godowski
phan JF, Watanabe CK,
99.2%; Score 1277; DB 6; Length 327; 100.0%; Pred. No. 3.8e-84; ive 0; Mismatches 0; Indels
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Smith V, Stephan JF,
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proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells for example proliferation, migration or differentiation) is typically governed by important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells (for example proliferation, migration or differentiation) is typically governed by information received from other cells and the immediate environment. The information is often transmitted by secreted polypeptides (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors may be of use as phormaceutical and diagnostic agents, such as in the blocking of receptor rigan interpreted by diverse cell receptors and proteins, along pharmaceutical and diagnostic agents, such as in the blocking of receptor rigan interpreted by diverse coll receptors and proteins, along with the cDNA sequences encoding them. The novel proteins of the invention may have cytostatic activations the stimulation of chondrocytes. The nucleic acids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a manufacture of a tumour associated gene. The present sequence is the amino expression of a tumour associated gene. The present sequence is the amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
                                                                                             This invention relates to one hundred and twenty two novel nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiarthritic; pericyte cell proliferation; pericyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNF)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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liver tumour; tissue typing; chromosome mapping; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99.2%; Score 1277; DB 7;
100.0%; Pred. No. 3.8e-84;
iive 0; Mismatches 0;
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                                               Claim 11; Fig 236; 315pp; English.
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Best Local Similarity 100.0
Matches 243; Conservative
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gene therapy
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CC The invention describes an isolated RPO (secreted and transmembrana) comparison describes an isolated RPO (secreted and transmembrana) compleptide (1). PRO982, PRO180, PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of or gene expression in percyte cells. PRO357, PRO229, PRO130 or PRO419 polypeptide are useful for stimulating the release of tumour necrosis factor (TNF). Care useful for stimulating the release of tumour necrosis factor (TNF). Appla FRO317, PRO1305, PRO3106, PRO1306, PRO1419, PRO1419, PRO1414, PRO1309, PRO1305, PRO1306, PRO1306
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shan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     New PRO polypeptides and nucleic acids encoding the polypeptides, in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
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Smith V, Stephan JF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 11; Fig 236; 315pp; English.
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                                                                                                                                                                       01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                               12-AUG-2002; 2002US-00218849.
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hes 243; Conservative
                                                                                                                                                                                                                                                                                                      Desnoyers L,
                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
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N-PSDB; ADB83725.
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                                        US2003073814-A1
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Grimaldi JC,
  Homo sapiens.
                                                                                   17-APR-2003.
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Db 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKCIDVHPSDTGTYL 120

Qy 121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGGTSVGGSTALRCSSSEGAPKPVYNWV 180

121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGGTSVGGSTALRCSSSEGAPKPVYNWV 180

Qy 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Db 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240

Qy 241 RVA 243

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August 4, 2005, 05:56:06; Search time 89:5513 Seconds (without alignments) 1852.722 Million cell updates/sec
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1685
1 LPGPPLCGALLGFLCLSGLA......ERPSSASTVTTTKSKLPMVV 324
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                             OM protein - protein search, using sw model
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Perfect score:
Sequence:
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1612378 seqs, 512079187 residues BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched:

Scoring table:

1612378 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Q96iq7 homo sapien	homod	Q9nx42 homo sapien	Q9z109 mus musculu	Q9cva4 mus musculu	Q9d0t4 mus musculu	Q86xk7 homo sapien	homo	homo	homo	พนธ แ	xenopus	xenopu	gallus	gallus	gallus	brachy	Q8ndd2 homo sapien	-	Q91w66 mus musculu	P97792 mus musculu	_	Q95ki3 macaca fasc	Q925f2 mus musculu	Q8wmv3 bos taurus	Q9d9j0 mus musculu	Q9tu79 sus scrofa	Q9r067 rattus norv	rattu	Q96ap7 homo sapien	Q96t50 homo sapien
SUMMARIES	ΩI	Q96IQ7	095791	Q9NX42	Q9Z109	Q9CVA4	Q9D0T4	Q86XK7	Q6MZS4	072201	Q8N4F1	0902J4	Q6DDE7	091664	Q9PWR4	Q9YGH1	Q9YGV5	Q90Y50	QBNDD2	Q9TUBO	Q91W66	CXAR_MOUSE	Q9DBJ8	Q95KI3	Q925F2	Q8WMV3	016060	Q9TU79	Q9R067	Q9R066	Q96AP7	Q96T50
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	Query Match Length	327	325	284	328	304	248	387	412	259	430	407	432	318	335	335	335	372	323	319	352	365	365	390	394	365	300	319	344	358	390	390
di	Query	99.5	96.9	9	77.7	77.4		24.2	24.2	23.7	23.3			21.3	21.1	20.9			•	19.9	•	•		19.5			•	19.0	•	٠	٠	18.9
	Score	1677	1632	1462	1309	1305	988	408.5	408.5	399	392	389.5	~	358.5	355	352	347	343	33	334.5	331.5	331.5		328.5	324.5			319.5			-	318.5
	Result No.	г	7	m	4	S	9	7	æ	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	53	30	31

Q6ayd4 rattus norv	Q9da22 mus musculu	Q8n7t8 homo sapien	Q9ukv4 homo sapien		Q804r4 brachydanio	Q99795 homo sapien	Q9h6b4 homo sapien	Q8k1g0 rattus norv	O8r373 mus musculu		Q6nw88 brachydanio	Q920s5 mus musculu	Q640u3 xenopus tro
Q6AYD4	Q9DA22	Q8N7T8	Q9UKV4	CXAR HUMAN	Q804R4	A33 HUMAN	Q9H6B4	QBK1G0	Q8R373	A33 MOUSE	Q6NW88	092085	Q640U3
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394	300	406	344	365	298	319	373	372	373	319	442	373	332
18.8	18.8	18.8	18.5	18.5	18.2	18.2	18.2	18.0	17.8	17.8	17.7	17.6	17.4
	316.5 18.8												

ALIGNMENTS

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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                                                                                                                                                                                                                                                PGKPISESHPILYPTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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                                                                                                                                                                                                                                                                                                                                                                                                          123 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 182
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01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ20453.
Hypothetical protein FLJ20453.
Hypothetical protein FLJ20463.
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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A. Nakamura Y., Isogai T., Sugano S.;
Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
R. EMBL, AKO0460; BAA91179.1; -...
R. HSSP, OBB792; IPF97.
R. InterPro; IPR003598; Ig.-c2.
R. Pfan; FP00047; ig.2.
R. Pfan; FP00047; ig.2.
R. Pfan; FP00407; ig.2.
R. PROSITE; PSSOB35; IG.C2.1:
R. PROSITE; PSSOB35; IG.LIKE; 2.
SEQUENCE 284 AA; 29829 MW; IF9E09C60856B9A9 CRC64;
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                                           Length 325;
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99.6%; Pred. No. 1.8e-94;
ive 0; Mismatches 1; Indels
                                                                                          Indels
                                      96.9%; Score 1632; DB 2;
97.8%; Pred. No. 2.7e-106;
live 2; Mismatches 3;
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                                   Query Match
Best Local Similarity 97.8<sup>3</sup>
Matches 317; Conservative
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Best Local Similarity 99.6
Matches 280; Conservative
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MEDIJES 99077161; PubMed=8862345;
MEDIJES 99077161; PubMed=8862345;
DOI=10.1002/(SICI)1521-4141(199812)28:12<4094::AID-IMMU4094>3.3.CO;2-U;
Chretien I., Marcuz A., Courtet M., Katevuo K., Vainio O., Heath J.K.,
White S.J., Du Pasquier L.;
"CTX, a Xenopus thymocyte receptor, defines a molecular family
Eur. J. Immunol. 28:4094-4404(1998).
EBMEL, AF061022; AAD17522.1;
"The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment."; cenome Res. 13:2265-2270(2003). EMBL; BC007313; AAH07313.1; -. EMBL; AX358877; AAG489256.1; -. HSSP; 088792, 1F97.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                              Length 327;
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                                                                                                                                                                                       GO, GO:0004872; F:receptor activity; IEA.
InterPro; IRR007110; Ig-like.
Pfam; PF00047; ig; 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 327 AA; 3438 MW; CF395AC7EF951AC1 CRC64;
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Last sequence update)
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GO; GO:0005887; C:integral to plasma membrane; TAS.

GO; GO:0005624; C:membrane fraction; TAS.

InterPro; IPR007110; Ig-1ike.

InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                      99.5%; Score 1677; DB 2;
99.7%; Pred. No. 1.9e-109;
iive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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Best Local Simi
Matches 323;
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TPPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                    Mus musculus (Mouse).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
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InterPro; IPR007110; Ig-like.
InterPro; IPR003306; Ig-MRC.
InterPro; IPR003306; Ig-V.
Pfam; PF00047; ig; 1.
SMART; SM00406; IGV; 1.
PROSITE; PS003035; IG_LIKE; 2.
PROSITE; PS002200; IG_MRC; UNKNOWN 1.
SEQUENCE 328 AA; 34258 MW; 0DA4C7BF7E221255 CRC64;
                                                281
                                                                                                                                                      (TrEMBLrel. 10, Created)
(TrEMBLrel. 10, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
                                                            244 GALIGVLIGVLILSVAAFCLVRFQKERGKKPKETYGGSDLR
                                              GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLR
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Matches 256; Conservative
                                                                                                                                PRELIMINARY;
                                                                                                                                                                                                          Name=2210413P10Rik;
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181
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RESULT

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SEQUENCE FROM N.A.

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SEQUENCE FROM N.A.

Arakawa T., Arzawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
A Hanagaki T., Hara A., Hayatsu N., Hiramoto K., Hiraoka T., Hori F.,
I Hanagaki T., Ishii Y., Itoh M., Izawa M., Kosukawa T., Kato H.,
A Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
A Kawai J., Nokido T., Owa C., Saito R., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Sakai K.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Sakai K.,
Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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STRANIE-C57BL/G0; TISSUE-Stomach;
MEDLINE-2019374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE TISSUB=Stomach;

MEDLINE=C053013; Pubmed=11076861; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,

Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,

Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,

Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,

Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,

A Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

RIKEN integrated sequence analysis (RISA) system-384-format

sequencing pipeline with 384 multicapillary sequencer.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=CS7BL/6J; TISSUE=Stomach; MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9; Carninci P., Hayashizaki Y.; Hidh-efficiency full-length cDNA cloning."; Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Stomach;
The FANTOM Consortium,
The RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation 60,770 full-length cDNAs.";
                                                                                                                                                                                                                                                                                                                 Craniata, Vertebrata, Buteleostomi,
Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                            enriched
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STRAIN=CS7BL/6J; TISSUE=Stomach;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
                                                              01-UUN-2001 (TrEMBLrel. 17, Created)
01-UUN-2001 (TrEMBLrel. 17, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male stomach cDNA, RIKEN full-length (library, clone:2210413P10 product:CTM homolog (Fragment)
Name=2210413P10Rik;
       304 AA.
       PRT;
                                                                                                                                                                                                                                                                        Mus musculus (Mouse).
Eukaryota, Metazoa, Chordata,
Mammalia, Eutheria, Rodentia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nature 409:685-690(2001).
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   PRELIMINARY;
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Q9CVA4,
Q9CVA4,
01-JUN-2001
       ALD DTTCH TO THE TARKET TO THE TOTAL TO THE TARKET TO THE
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STRAINE-GSTBL/6J; TISSUE-Whole body;
The FANTOM Consortium,
The RANTOM Consortium,
The RIKEN Genome Exploration Research Group Phase I & II Team;
The RIKEN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs.";
Nature 420:563-573 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-0TN-2001 (TrEWBLrel. 17, Created)
01-0TN-2001 (TrEWBLrel. 17, Last sequence update)
01-0TCT-2003 (TrEWBLrel. 25, Last annotation update)
Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched
library, clone:1190004B15 product:CTM homolog.
                                                                                                                                                                                                                                                                                                                 1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
                                                                                                                                                                                                                                                                                                                                       LVGAFLCGHLLGFVCLSGLAVEVTVPTEPLSVPKGKTAELSCSYKTSVGDNFALEWSFVQ
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                                                                                                                                                                                                                                                                                                                                                                                                                        TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
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STRAIN=C57BL/6J; TISSUE=Whole body;
MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
MEDLING: P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
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0
                                                                                                                                                                                                                              Length 304;
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STRAIN=C57BL/6J; TISSUE=Whole body;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
                                                                                                                                                                                     31919 MW; 522BA38898AD7A9F CRC64;
                                                                                                                                                                                                                                                                        33;
                                                                                                                                                                                                                              77.4%; Score 1305; DB 2;
                                                                                                                                                                                                                                                ; Pred. No. 1.9e-83; 17; Mismatches 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      248
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                                MGD; MGT:1928009; 2210413P10Rik.
InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig-v.
Edm; PP00047; ig; 1.
SWART; SW00406; IGv; 1.
PROSITE; PS50835; IG LIKE; 2.
EMBL; AK008920; BAB25968.1;
HSSP; O88792; 1F97.
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Matches 250; Conservative 1
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SEQUENCE FROM N.A.

STRAIN=CSPEL/6J; TISSUE=Whole body;
Arakawa T., Arai A., Aono H.,
Arakawa T., Bono H., Carninci B., Pukuda S., Fukunishi Y., Furuno M.,
Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M.,
Anagaki T., Hara A., Hayateu N., Hiramoto K., Hiraoka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kasukawa T., Kato H.,
A Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
A Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Sakai K.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                        PEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SILIARE 20530913; PubMed=11076861; DOT=10.1101/gr.152600;

MEDLINE=20530913; PubMed=11076861; DOT=10.1101/gr.152600;

A. Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M., Monin Y., Ishii Y., Nakamura S., Hazama M., Nishine T., Harda A., Yamamoto R., Mateumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Pujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., Pujiwake S., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;

RIKEN integrated sequence analysis (RISA) system-384-format

sequencing pipeline with 384 multicapillary sequencer.";
STRAIN=C55BL/61; TISSUB=Whole body; MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100; MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100; Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.; Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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MGD; MGI:1928009; 2210413P10Rik.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_C2.
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Matches 202; Conservative
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66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP 123

9 FLILSCLAGQVSVVQVTIPDGFVNVTVGSNVTLICIYTTTVASREQLSIQWSFFHK----

PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTF

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182 IVPVKENP--NPTTGILVIGNITNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA

183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGA

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KELLEKSPCASTMTTTKSKLSMVV 248

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90 KEMEPISIYFSQGQQVAIGQFKDRITGSNDP---GNASITISHWQPADSGIYICDVNNP 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     183 PTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGA 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE-Human testis;
The German Human cDNA Consortium;
Ottenwaelder B., Obermaier B., Deutschenbaur S., Mewes H.W., Weil B.,
Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; BX640913; CAE45994.1;
GQ; GQ: OD16220; C: CER45994.1;
GQ; GQ: OD16220; C: CER45994.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTSVG--DSFALEWSFVQPGKPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      34 FLILSCLAGOVSVVOVTIPDGFVNVTVGSNVTLICIYTTTVASREOLSIOWSFPHK----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66 SESHPI-LYFT-NGHLYPTGSKSKRVSLLONPPTVGVATLKLTDVHPSDTGTYLCOVNNP
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                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24.2%; Score 408.5; DB 2; Length 412; 34.8%; Pred. No. 1.4e-20; ive 54; Mismatches 99; Indels 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           412 AA; 44702 MW; C1B4E005F08B2C45 CRC64;
                                                                                                                                                                          05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Hypothetical protein DKFZp686A1239 (Fragment).
                                                                                                                                     05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last seq
                                                                          PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            InterPro; IRR003599; IG.
InterPro; IRR003599; Ig.
InterPro; IRR003598; Ig.
InterPro; IRR003598; Ig.
InterPro; IRR0003596; Ig.
InterPro; IRR000329; Myelin_Po.
Pfam; PF00047; Ig; 1.
PRINTS; PR00213; MYELINPO.
SMART; SM00409; IG; 2.
SWART; SM00409; IG; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSITE, PS50835; IG_LIKE; 2. Hypothetical protein.
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Best Local Similarity 34.00.
                                                                  PRELIMINARY;
                                                                                                                                                                                                                                                                              Name=DKFZp686A1239;
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
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                                                                  D6MZS4
RESULT 8
Q6MZS4
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KENDE-22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
A Krausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
A Itausner R.D., Colline F.S., Wagner L., Shemmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Bottchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Stapleton M., Soares M.B., Bonaldo M.F., Caraninci P., Prange C.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Rachay J., Helton E., Ketteman M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Branking M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
Jones S.J., Marra M.A.,
T Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66 ANQPEQVILYQGGQMFDGAPRFHGRVGFTGTMPATNV-SIFINNTQLSDTGTYQCLVNNL 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      184 TPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEP-PQ--GRVA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             184 LKLPPTATQDQVQGTVTIRNISALSSGLYQCVASNAIGTSTCLLDLQVISPQPRNIGLIA 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   124 PDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLGTFP 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 GALIG----VLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMR 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            65 ISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10 LLGFLCLS--GLAVEVKVPTEP--LSTPLGKTAELTCTYSTSVG-DSFALEWSFVQPGKP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 430;
  Eutheria; Primates; Catarrhini; Hominidae; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cch 23.3%; Score 392; DB 2; Length 43 al Similarity 32.6%; Pred. No. 2.2e-19; 105; Conservative 57; Mismatches 132; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Strausberg R.,;
Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
EMBL: BCO34411; AAH34411.1; -.
HSSP; P78310; 1EAJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SMART; SM00408; IGC2; 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 430 AA; 46245 MW; ES3FC71BC10D049D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           292 CSSAKAFHTEISSSDNNTLTSS 313
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Genew; HGNC:16669; IGSF11.
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Best Local Similarity
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                                                                            SEQUENCE FROM N.A.
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ID 09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GQAVAIGQFKDRITGSNDP---GNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNV 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVLLGVLLLSV 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      207 IVPVKENF--NPTTGILVIGNLTNFEQGYYQCTAINRLGNSSCEIDLTSSHPEVGIIVGA 264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 VEVKVPTEPLSTPLGKTAELICTYSTSVG--DSFALEWSFVQPGKPISESHPI-LYFT-N 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGSMVQDEV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20; Gaps
                                                                                                                                                                                                                                                                                                                               ol-War-2004 (TrEMBLrel. 25, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
DJ889N15.1 (Novel protein similar to X. laevis Cortical Thymocyte
Marker CTX) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 2; Length 259;
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01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Brain and testile-specific immunoglobin superfamily protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Grafham D.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AL031177; CAA20116.1; -.
HSSP; O88792; IF97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27813 MW; 66B729303B9A6B18 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'Match 23.7%; Score 399; DB 2; L
Local Similarity 34.2%; Pred. No. 4e-20;
les 89; Conservative 54; Mismatches 97;
                                                                                 LIGVLLGVLLLSVAAFCLVRFQ----KERGKK 270
                                                                                                                  259 AA.
                                                                                                                                                                                                                                                                                                                       Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SVVCFARNKAKAKAKERNSK 254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Interpro; IPR007110; Ig-like.
InterPro; IPR003599; Ig_c2.
Pfam, PF00047; ig; 1.
SMARY; SM00408; IGc2; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                    (TrEMBLrel. 25, (TrEMBLrel. 25, (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       259
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=dJ889N15.1;
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  259 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                    01-OCT-2003
01-OCT-2003
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                                                                                 243
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C STRAIN=C57BL/6J; TISSUE=Testis;
Adachi J., Aizawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakawa T., Aizawa K., Akahira S., Fukunishi Y., Furuno M.,
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Sano H., Sasaki D., Shibata K., Shibata K., Shinaqawa A., Shiraki T.,
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Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.,
Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.

EMBL; AK019565; BAB31795.1;
                01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus adult male testis cDNA, RIKEN full-length enriched
library, clone:49304055124 product:similar to DJ889N15.1 (NOVEL PROTEIN
SIMILAR TO X. LABVIS CORTICAL THYMOCYTE MARKER CTX).
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C STRAIN=C57BL/6J; TISSUB=Testis;

MBDLINE=20530913; Pubmed=1107681; DOI=10.1101/gr.152600;

MBDLINE=20530913; Pubmed=1107681; DOI=10.1101/gr.152600;

Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,

Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN-CSTBL/6J; TISSUB=Testis;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M.,
Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.,
"Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new genes.";
Genome Res. 10:1617-1630(2000).
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MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=C57BL/6J; TISSUE=Testis;
The FANTOM Consortium,
the RIKBN Genome Exploration Research Group Phase I & II Team;
"Analysis of the mouse transcriptome based on functional annotation
Nature 420:563-573(2002).
                                                                                                                                                   Mus musculus (Mouse).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Functional annotation of a full-length mouse cDNA collection.";
                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=CS7BL/67; TISSUB=Testis;
MEDLINE=21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM Consortium;
                                                                                                                                                                                                                                                                                                        Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
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                                                                                                                              Name=4930405J24Rik,
                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
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                                                                                                                                                                                                             NCBI_TaxID=10090;
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Gaps 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        191 F--NTATGVLVIGNLTNFEQGYYQCTAINSLGNSSCEIDLTSSHPEVGIIIGALVGALIG 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  250 VLLLSVAAFCLVRF--QKERGKKPKETYGGSDL-----REDAI-APGISEHTCMR 296
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15 CLAGQVSMVQVTIPDTFVNVTVGSNVTLLCLYTTTEKSLEKLSIQMSFFH-NKEMEEPIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLSGLA - - VEVKVPTEPLSTPLGKTAELTCTYSTSVG - - DSFALEWSFVQPGKPISESHP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            131 LGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRL-GTFPTPSPGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     190 MVQDEVSGQLILTNISLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVAGALIGVLLG
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PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
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Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       39;
                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 2; Length 407;
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                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Score 389.5; DB 2; Length ; Pred. No. 3e-19; 62; Mismatches 134; Indels
                                                                                                                                                                                                                                                                                                                                                          B7094F818B868680 CRC64;
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Last annotation update)
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MGD; MGI:1926039; 4930405J24Rik.
GO; GO:0016020; C:membrane; IEA.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig c2.
InterPro; IPR00920; Myelin_P0.
PRIMTS; PR0041; ig; 1.
SMART; SM00408; IGC2: 1.
                                                                                                                                                                                                                                                                                                             PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 407 AA; 44014 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                         23.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      l Similarity 29.2
97; Conservative
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117 INLPE--SSGQGKILLTVLVPPSVPHCSIRGAVETGHFISLLCYSEEGMPRPIYSWNRVE 174
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         180 -GTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGR
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Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
                                                                                                                                                                                                                                                                                       "CTX, a novel molecule specifically expressed on the surface of cortical thymocytes in Xenopus.";
Eur. J. Immunol. 26:780-791(1996).
ENDL: U43330; AAC59899.1; -.
HSSP; P78310; IKAC.
Pfam; PF00047; ig; 1.
PROSTTE; PS50835; IG 2.
SEQUENCE 318 AA, 34429 MW; 6231D24B0B806C09 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21.3%; Score 358.5; DB 2; Length 318; 33.2%; Pred. No. 3.4e-17; ive 52; Mismatches 112; Indels 41.
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Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                       Chretien I., Robert J., Marcuz A., Garcia-Sanz J.A.,
Du Pasquier L.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  O.T.MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
ChTl thymocyte antigen precursor.
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                                                                                                             SEQUENCE FROM N.A.
STRAIN=ff; TISSUE=Thymus;
MEDLINE=96210130; PubMed=8625968;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
Pfam; PF00047; ig; 1.
SMART; SM00406; IGv; 1.
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HSSP; P78310; 1KAC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 33.2
Matches 102; Conservative
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       Kenopodinae; Xenopus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                276 GGSDLRE 282
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                                                 NCBI_TaxID=8355;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 14
Q9PWR4
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           셤
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Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren B.J., Lu K., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Schwerz R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S., Jones S.J., Marra M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 LCGALLGFLCLSGLAVEVKVPTEPLSTPL--GKTAELTCTYSTSVG-DSFALEWS---FV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LCGTITG-----AVSVKVIVNRPSVQVRRGGSVLLPCSFRTTAALNRLNIIWTVSPLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPGKPISESHPILYFTNGHLYPTGSK-SKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPOLPLO----VISYEQGQIVESVSEYTGRVQFAFHPTT--DASILINGSRSSDTGTYHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    151 TVINPPDGTTPNIGLVGLTVLVEPSRPVCSSEGREEEGGSVRLRCSIREGVPAPRILWEK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             266 VLSTVGVIVGVAIALIMGVVLLALFAIVLHLHQQSRG-----TWQDQELR-DCKIQGRRE
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Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Klein S., Gerhard D.S.;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
Bubmitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BCO77626; AAHT/626.1; -.
EnterPro; IPR007110; Ig-1ike.
InterPro; IPR007599; Ig-2.
InterPro; IPR003599; Ig-v.
Pfam; PF00047; ig; 2.
SMART; SM00409; IG; 2.
SMART; SM00409; IG; 2.
SMART; SM00409; IG-y: 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 432;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   432 AA; 47215 MW; ACFE78F0A4ED30E6 CRC64;
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sci. U.S.A. 99:16899-16903(2002).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EPEM--EGAKMNTVSPGKRSEVT 340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and mouse cDNA sequences.
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           RAPARA RA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      186 SPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPPQGRVAGALIG 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   123 DAGQSQKSVIVNVLVKPSKPFCKIEĞTPEKGHLIYLLCKCDQĞLPHPTYRWYKVDE-NTL 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   66 SESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQVNNPPD 125
                                                                                                                                                                                                                                                                                                                                                                                                           65
                                                                                                                                                                                                                                                                                                                                  13 FLCLSGLA-----VEVKVPTEPLSTPLGKTAELTCTYSTS--VGDSFALEWSFVQPGKPI 65
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                                                                                                                                                                                                                                                                                                                                                                               9 FPILATLAGHVHGVVVTVPEKTVNVKTGGNATLLCTYTSSQPLG-NFFIQWSFYSAKE--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gallus gallus (Chicken).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
Gallus.
NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ch 20.9%; Score 352; DB 2; Length 335;
l Similarity 32.1%; Pred. No. 1e-16;
86; Conservative 52; Mismatches 116; Indels 14; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=RPRL line 0; TISSUE=Thymus;
Katevuo K.H., Boyd R., Gobel T.T., Bean A., Dunon D., Imhof B.A.,
                                                                                                                                                                                                                                                                          14;
                                                                                                                                                                                              21.1%; Score 355; DB 2; Length 335; 32.1%; Pred. No. 6.4e-17; ive 52; Mismatches 116; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vainio O.;
Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.
EMBL; Y14063; CAA74390.1; -.
HSSP; P78310; 1KAC.
                                                                 1 21 Potential.
22 335 ChTl thymocyte antigen.
335 AA; 36509 MW; AA6159598079B438 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SIGNAL 1 21 Potential.
CHAIN 22 335 ChTl thymocyte antigen.
SEQUENCE 335 AA; 36553 MW; AA640C5CD02CB16D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
ChT1 thymocyte antigen precursor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          246 VLLGVLLLSVAAFCLVRFOKERGKKPKE 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    : | ::: | : | : | 242 AILAAVIICAIVWVLTKKAKKKKSSSNE 269
   PS50835; IG LIKE; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR007110; Ig-like.
InterPro; IPR003596; Ig_v.
Pfam, PF00047; ig; 1.
SWART; SM00406; IGv; 1.
PROSITE; PS50835; IG_LIKE; 2.
                                                                                                                                                                                                                                 Best Local Similarity 32.1%
Matches 86; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
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Matches 86; Conserv
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             polynucleotide sequences may be useful for treating disorders of the mimune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polynucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimication; cardiovascular disease; antimicrobial, notropic; antimicrobial, notropic; antimicrobial, notropic; antiasthmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; carthosis; psoriaais; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection, Alzhaimer's disease; schizophrenia; parkinson's disease; Huntington's diseases; ovulatory defect;
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                                                                                                                                                                                                                                                                            Score 1692; DB 3; Length 327;
Pred. No. 7.4e-114;
0; Mismatches 1; Indels 0
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human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPBs have anticanner, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be associated with decreased activity or function of HSPP. Anteganists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Anteganists of Including cancer), inflammation, cardiovascular, neurological, cartivity or function of HSPP. Such diseases include cell proliferation (Including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, carthma, Crohn's disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's Parkinson's or Huntington's diseases, Schizophrenia, ovulatory defects, muscular dystrophy). HSPP catecting HSPP in standard hybridisation and amplification assays (for dagnosis and monitoring), in gene therapy, as antisense, triplex-forming or ribozyme therapeutics, for detecting HSPP, as antisense, triplex-forming corribozyme therapeutics, as antisense, triplex-forming co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    variations, and for chromosomal mapping. HSPP are also used to raise specific antibodies (Ab) and to screen for agonists and antagonists fortunal therapeutic agents). Ab are used to diagnose, or monitor, HSPP -related diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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                                                                                                                                                                                                                                                                                                                                     New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                                                     Baughn MR;
R, Hillman JL;
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Yue H, Patterson C, Reddy R,
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99.7%; Pred. No. 8.8e-114;
ive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Page 177-178; 327pp; English.
98US-0094983P.
98US-0102686P.
98US-0112129P.
                                                                                                                                                                                  Au-Young J,
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                                                                                                      (INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                              WPI; 2000-160673/14.
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                                                                                                                                                          Tang YT,
                                                                                                                                                                                  Akerblom IE,
                                                      11-DEC-1998;
                                                                                                                                                                                                             Bandman O;
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AAY94857 standard; protein; 327 AA.
                   (first entry)
                                                                                                                        PROTEGENE INC.
                                                                                                                                     WPI; 2000-182694/16.
                                                                 nephritis; therapy.
                                                                                                                              Kato S, Kimura T;
                                                                             WO200005367-A2.
                                                                       Homo sapiens.
                   12-JUN-2000
                                                                                           22-JUL-1999;
                                                                                                              29-SEP-1998;
                                                                                                 24-JUL-1998;
                                                                                                    07-AUG-1998;
25-AUG-1998;
                                                                                    03-FEB-2000
                                                                                                           09-SEP-1998
            AAY94857;
                                                                                                                        (PROT-)
RESULT 3
   AAY94857
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Human protein clone HP10568.

Human protein; hydrophobic domain; nutritional source; haematopoiesis; yrokhima protein; hydrophobic domain; nutritional source; haematopoiesis; immune deficiency; infections disease; autoimmune disorder; asthma; immune deficiency; infections disease; autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; nervous systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; mycoardial infarction; inflammatory condition; septic shock; septis; ischaemia; reperfusion injury; arthritis; tumour; nephritis; therapy.

Homo sapiens.

WOZ00005367-AZ.

03-FEB-2000.

22-JUL-1998; 98JP-00228116.
03-FEB-1998; 98JP-00228116.
03-FEB-1998; 98JP-00228116.
03-FEB-1998; 98JP-00278505.
(SAGA) SAGAMI CHEM RES CENT.

Kato S, Kimura T;
WPI; 2000-182694/16.

Novel human proteins having hydrophobic domains useful for treating of soleroporosis, Alzheimer's disease, annexis and stroke multiple selectoris; whenmatoid arthritis canners.

Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alaheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.

XX

Claim 1; Page 183-184; 351pp; English.

CThis sequence represents a human protein of the invention, which has a marker, and to identify better demains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as nutritional sources or supplements. The protein exhibits cytokine, cell proliferation, cell differentiation activities and induces production of coher cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders and to treat infectious diseases caused by viral, bacterial, fungal or other treatment of various immune deficiencies and disorders and renequencies. The protein is also used for treating autoimmune disorders such as asthma, and in immune suppression after organ conditions such as asthma, and in immune suppression after organ treatment of allergic reactions and consequently in the treatment of allergic reactions and consequently in the treatment of mylooid or lymphoid cell and consequently in the treatment of mylooid or lymphoid cell and consequently in the treatment of periodontal disease and other constraints and in the treatment of osteoporosis or regeneration. The protein is also used in the treatment of osteoporosis or osteoarthritis and in the treatment of periodontal disease and other contracting such has all befunds a serious of disease, parkinson's disease, and defined to an oder contraction or regeneration and Huntington's disease. They are useful for protection or regeneration and

treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia reperfusion injury, arthritis, and nephritis. They can be used to prevent ö 300 180 240 9 60 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV RIGIPPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA Secreted protein; human; PRO protein; neoplastic cell growth; tumour; proliferation; leukaemia; lymphoid malignancy; inflammatory disorder; angiogenic disorder; immunologic disorder; PRO7154. Gaps ö 99.5%; Score 1691; DB 3; Length 327; 99.7%; Pred. No. 8.8e-114; ive 0; Mismatches 1; Indels (DSSKGFLERPSSASTVTTTKSKLPMVV 327 DSSKGFLERPSSASTVTTTKSKLPMVV 327 AAY97585 standard; protein; 327 AA. Human secreted protein PRO7154. 99US-0138385P. 99US-0146843P. 99US-0148188P. 99US-0149320P. 99US-014932P. 2000WO-US013358 05-APR-2001 (first entry) Matches 326; Conservative Local Similarity Sequence 327 AA; WO200075317-A2 20-JUL-1999; 03-AUG-1999; 10-AUG-1999; 17-AUG-1999; 17-AUG-1999; Homo sapiens 15-MAY-2000; 14-DEC-2000. 09-JUN-1999 AAY97585; 121 241 301 121 181 241 301 Query Match RESULT 4 88888888888888888888 셤 ò 요 셤 8 셤 ઠે g 8 ò

24-MAY-2002

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This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours of (e.g. renal, piver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancraatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); cleukaemias and lymphoid malignancies; neuronal, glial, astrocytal, hypothalamic, and other glandular, macrophageal, epithelial, stromal and blastococlic disorders, and inflammatory, angiogenic and immunologic disorders these may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or anti-PRO anti-body.
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                                                                                                                                                                                              against PRO polypeptides, useful for diagnosing and treating associated with gene amplification, neoplastic cell growth and
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Pred. No. 8.8e-114;
0; Mismatches 1;
                                                                                                          Smith V,
                                                                                                          Gurney AL,
                                                                                                                                                                                                  Antibodies against PRO polypeptides,
                                                                                                                                                                                                                                                                     Claim 61; Fig 12; 143pp; English.
99US-0150114P.
99US-0151700P.
99US-0151734P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 99.7°
Matches 326; Conservative
                                                                                                                                                                                                                                   proliferation in mammals.
                                                                                                        Goddard A,
                                                                      (GETH ) GENENTECH INC
                                                                                                                                            WPI; 2001-071075/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     anti-PRO antibody
                                                                                                                                                              N-PSDB; AAA91019
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 327 AA;
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                                   31-AUG-1999;
                  31-AUG-1999
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DSSKGFLERPSSASTVTTTKSKLPMVV 327

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ABB90354 standard; protein; 327

RESULT 5 ABB90354 ABB90354;

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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are useful for a tange of human tissues disclosed in the specification.

isolated from a range of human tissues disclosed in the specification.

the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, cardiovascular disorders such as myocardial ischaemias; (d) wound healing conditions diseases such as viral, bacterial, fungal and parasitic infections diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of from WIPO at ftp.wipo.int/pub/published_pot_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ó;
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                                                                       Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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Pred. No. 8.8e-114;
0; Mismatches 1;
                                  Human polypeptide SEQ ID NO 2730.
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                                                                                                                                                                                                                                                                                                            18-MAY-2001; 2001WO-US016450
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                                                                                                                                                                                                                                 WO200190304-A2
                                                                                                                                                                                              Homo sapiens
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              RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                                                                                                                                    Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha.
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Smith V, Stephan JF,
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                                                                                                                                      Human PRO protein, Seg ID No 236.
                                                                                      AAU83709 standard; protein; 327
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2000US-0220585P.
2000US-0220605P.
2000US-0220607P.
2000US-0220624P.
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2000US-0253646P.
2000WO-US032678.
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2000US-0220666P.
2000US-0220893P.
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2000US-0227133P.
2000WO-US023522.
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25-MAY-2001; 2001WO-US017092
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                                                                                                                                                                                                                                                                                                                                                                                              2000US-00747259
                                                                                                                      (first entry)
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Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-172001/22.
N-PSDB; ABK33653.
                                                                                                                                                                                                           WO200208288-A2.
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22-AUG-2000;
23-AUG-2000;
24-AUG-2000;
10-NOV-2000;
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20-DEC-2000;
20-DEC-2000;
28-FEB-2001;
                                                                                                                                                                                             Homo sapiens
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26-JUL-2000;
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22-MAR-2001;
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                                                                                                                       08-MAY-2002
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The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides encoded human secreted proteins. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating a PRO related disorder. The PRO polypeptides are useful for treating a PRO related disorder. The PRO polypeptides are useful for diagnosing tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in perioyte cells, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the relase of tumour necrosis factor-alpha from human blood, for stimulating the PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 99.7
Matches 326; Conservative
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                                                                                                                                                                                                                                                                       The present invention relates to the isolation of novel human PRO polypoptides, and the polymucleotide sequences encoding them. The PRO polypoptides are secreted and transmembrane proteins. The PRO polypoptides are secreted and transmembrane proteins. The PRO polypoptides and polymucleotides are useful for preparing a medicament useful in the diagnosis and treatment of tumoures. Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. ABUR073-ABUR0860 represent the human PRO polypetides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      120
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                                                     Godowski PJ;
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                                                      Goddard A, Gouc...
-- TF. Watanabe CK,
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Pred. No. 8.8e-114;
0; Mismatches 1; Indels
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                                                                   Gerritsen ME, Goddard Smith V, Stephan JF,
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09-APR-2002; 2002US-00119480
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Best Local Similarity 99.7%;
Matches 326; Conservative
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                                                                   Baker KP, Desnoyers L, Grimaldi JC, Gurney AL,
                                 (GETH ) GENENTECH INC
                                                                                                                   WPI; 2003-342045/32
                                                                                                                                      N-PSDB; ACA66958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 327 AA;
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                                                                 Baker KP,
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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide compression to the full length coding sequence of any these 122 conclectide sequences. The PRO polypeptides or polynucleotides are useful as pharmaceuticals, diagnostics, blosensors or bioreactors. These are particularly useful for detecting tumours (e.g. lung tumour, colon tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour) in a mammal, for stimulating the release of TMF-alpha from human blood, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation or differentiation of chondrocyte colls, for stimulating proliferation or differentiation of chondrocyte colls, or stimulating proliferation or differentiation of chondrocyte colls, or stimulating proliferation or differation. The PRO nucleic acid or cortilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases, and in the diagnostic carlination of the presence of these diseases. The PRO polypeptides are disentification. The PRO genes are useful as hybridisation probes, or for screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may calso be used in gene therapy, particularly for replacing a defective consense this is the amino acid sequence of a novel human secreted and consense consense and novel human secreted and consense consense and novel human secreted and consense conse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Godowski PJ;
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colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard A, Gouc...
TF, Watanabe CK,
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Smith V, Stephan JF,
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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Best Local Similarity 99.7
Matches 326; Conservative
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                                                                             arthritis; wound
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                                                                                                                                                                    Homo sapiens
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Sequence 327 AA;
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                                                                                            antiangiogenic; hypotensive, vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; gene therapy; cardiovascular disorder; endothelial disorder; gangiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertrension; arterial restenosis; rheumatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention describes one hundred and eighty seven nucleic acids encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiovascular, endothelial or angiogenic disorder in amammal, e.g. cardiox hypertrophy, trauma, cancer, agenesteated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebtis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Goddard A, Godowski PJ;
phan JF, Watanabe CK, Wood WI;
                                         RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
                                                                            RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA
                                                                                                                                                                                                                                                                                                                                            secreted and transmembrane protein; PRO; cardiant; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane protein PRO7154.
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Smith V, Stephan JF,
                                                                                                                                                    DSSKGFLERPSSASTVTTTKSKLPMVV 327
                                                                                                                                                                                                                                ABU82165 standard; protein; 327 AA
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                      (first entry)
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Grimaldi JC, Gurney AL,
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phan JF, Watanabe CK, Wood WI;
                                                                                                                 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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                                                                                    1 MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                          FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
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                                             Gaps
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    327;
                                             1; Indels
    Length
Score 1691; DB 6;
Pred. No. 8.8e-114;
); Mismatches 1;
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Smith V, Stephan JF,
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
  99.5%;
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                                           Matches 326; Conservative
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I, Gurney AL,
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                      Similarity
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Grimaldi JC,
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                                                                             324pp; English.
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                                                                                                                                                                                                                                            Query Match
Best Local Similarity 99.7
Matches 326; Conservative
   2003-503301/47
                                                                             Claim 11; Fig 236;
              N-PSDB; ABT44626
                                                                                                                                                                                                                        Sequence 327 AA;
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                                                                                                                                                                                                                                                                                                                                                                                stimulating proliferation or gene expression in pericyte cells or the release of TNF-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or differentiation, the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour within a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
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phan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                   FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                             CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                           CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVXNWV
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                                                                                                                                                                                                                                                                                                                                      MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRO; blood; proliferation; pericyte cell; TNF alpha; chondrocyte; tumour necrosis factor; proliferation; differentiation; gene therapy;
                                                                                                                                                                     Gaps
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                                                                                                                                             Length 327;
                                                                                                                                                                  Indels
                                                                                                                                              Score 1691; DB 6;
Pred. No. 8.8e-114;
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                                                                                                                                                                  0; Mismatches
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                             99.5%;
99.7%;
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Gurney AL,
                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PRO7154 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GETH ) GENENTECH INC.
                                                                                                                                             Query Match
Best Local Similarity
Matches 326; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tumour necrosis fadermal fibroblast.
                                                                                                                        Sequence 327 AA;
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Grimaldi JC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
                                                                                                                                                                                                                                               The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence of tumor in a mammal.
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Pred. No. 8.8e-114;
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0; Mismatches
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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                     Human membrane bound receptor/protein PRO7154 amino acid sequence.
                                                    Human, PRO; membrane bound protein, membrane bound receptor, cell proliferation; cell migration; cell differentiation; mitogenic factor; survival factor; optotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
                                                                                                                                                                                                                                                                                                                                     24-FEB-2000; 2000WO-US005004.
02-WAR-2000; 2000WO-US005841.
01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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N-PSDB; ABT43999.
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                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                     28-JUL-1999;
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     The invention relates to an isolated nucleic acid encoding a PRO polypeptide. Nucleic acids that encode PRO can be used to generate either transgenic animals or knock-out animals useful in developing and screening of therapeutically useful reagents. The nucleic acids may also be used in gene therapy for replacing defective gene, in chromosome identification, as chromosome markers, or in generating probes to isolate full length PRO cDNA. The PRO polypeptides are useful for chondrocyte stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation and for detecting the presence of tumour in an mammal. The PRO polypeptides are useful as molecular markers for protein electrophoresis and the isolated nucleic acids may be used for recombinantly expressing those markers. The PRO polypeptides are useful in diagnostic assays for protein affinity purification of PRO from recombinant cell culture or natural sources. The present sequence represents the amino acid sequence of a human secreted/transmembrane PRO polypeptide
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                                                                                                         Gerritsen MB, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                     New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
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Pred. No. 8.8e-114;
0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                Claim 19; Fig 236; 315pp; English.
                 29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
01-JUN-2001; 2001WO-US017800.
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                                                                                                         Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
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                                                                      (GETH ) GENENTECH INC
                                                                                                                                                                WPI; 2003-492274/46.
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Best Local Similarity
Matches 326; Conserv
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                                                                                                       Baker KP.
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셤 8 셤 8 g ò 셤 ò g ઠે 셤

Goddard A, Godowski PJ; phan JF, Watanabe CK, Wood WI;

Gerritsen ME, Goddard Smith V, Stephan JF,

Desnoyers L,

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This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells of governed by information received from other cells and the immediate cenvironment. The information is often transmitted by secreted from other cells and the immediate cenvironment. The information is often transmitted by secreted cenvironment. The information factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins and receptors or membrane bound proteins and receptors are proteins. These membrane bound proteins and receptors and interpreted by diverse cell receptors and proteins of receptor parameceutical and diagnostic agents, such as in the blocking of receptor requences of novel human membrane bound receptors and proteins, along with the cDNA sequences encoding them. The novel proteins of the invention may have cytostatic actids of the invention may be useful for the manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the amino capture systems and the manner of the invention capture of a tumour associated gene. The present sequence is the amino capture of a human PRO protein of the invention
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Pred. No. 8.8e-114;
0; Mismatches 1;
Claim 11; Fig 236; 315pp; English.
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nes 326, Conservative
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ABJ72175 standard; protein; 327

RESULT 13

16-OCT-2003 (first entry)

ABJ72175;

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Sequence 327 AA;
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                                                                                                                    RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
                                                                                                                                           RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New PRO polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                                                                                                                                                    human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiarthritic; perioyte cell proliferation; perioyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNF)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell proliferation; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
             COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                            CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                         181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG
                                                                RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG
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09-APR-2002; 2002US-00119480.
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Grimaldi JC, Gurney AL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 RIGIFPIPSPGSMVQDEVSGQLILINLSLISSGTYRCVATNQMGSASCELTLSVTEPSQG
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99.7%; Pred. No. 8.8e-114;
iive 0; Mismatches 1;
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Matches 326; Conservative
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The invention describes an isolated PRO (secreted and transmembrane)

CD Olypeptide (I) PRO982, PRO1160, PRO1187 or PRO1329 polypeptide are
useful for stimulating the proliferation of or gene expression in
periove cells. PRO357, PRO252, PRO1272 or PRO4405 polypeptide are useful
for stimulating the proliferation or differentiation of chondrocyte
cells. PRO357, PRO752, PRO1305 or PRO1419 polypeptide
are useful for stimulating the release of tumour necrosis factor (TMF)are useful for stimulating the release of tumour necrosis factor (TMF)cells. PRO131, PRO356, PRO935, PRO155, PRO1306, PRO1419, PRO1404,
PRO126, PRO13181, PRO126, PRO1005, PRO1009, PRO1411, PRO1411, PRO1406,
PRO1266, PRO13181, PRO1367, PRO1186, PRO1181, PRO1181, PRO1181, PRO1186, PRO1187, PRO1186, PRO1 One hundred and twenty two nucleic acids encoding PRO polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping. Gerritsen ME, Goddard A, Godowski PJ; Smith V, Stephan JF, Watanabe CK, Wood WI; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; tissue typing; chromosome mapping; gene mapping; Claim 11; Fig 236; 305pp; English. ransmembrane PRO polypeptide. 29-JUN-2001; 2001WO-US021066. 09-APR-2002; 2002US-00119480. 01-JUN-2001; 2001WO-US017800 13-AUG-2002; 2002US-00219481 Baker KP, Desnoyers L, Grimaldi JC, Gurney AL, (GETH) GENENTECH INC. 2003-657982/62 N-PSDB; ADB80831 US2003088068-A1. Sequence 327 AA; Homo sapiens gene therapy 08-MAY-2003. Baker

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Gaps

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99.5%; Score 1691; DB 7; Length 327; 99.7%; Pred. No. 8.8e-114; ive 0; Mismatches 1; Indels 0

Conservative

Best Local Similarity Matches 326; Conserv

Query Match

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1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                      1 MAELPGPFLCGALLGFLCTSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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100.0%; Pred. No. 7.8e-120;
ive 0; Mismatches 0;
US-10-227-883-236
US-10-130-434-236
US-10-2130-434-236
US-10-219-003-236
US-10-219-464-236
US-10-219-466-236
US-10-219-466-236
US-10-219-466-236
US-10-219-479-236
US-10-232-231-236
US-10-232-231-236
US-10-232-231-236
US-10-219-478-236
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APPLICANT: Rosen et al.
TITLE ROSEN et al.
TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: PZ033P1
CURRENT APPLICATION NUMBER: US/09/820, 893
CURRENT FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/531,119
PRIOR PILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR APPLICATION NUMBER: 60/102,895
NUMBER OF SEQ ID NOS: 1440
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 60
LENGTH: 227
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US-10-216-160-236
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; Patent No. US20020076705A1
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Matches 324; Conservative
ORGANISM: Homo sapiens
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  US-09-820-893-60
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Sequence 236, Appl
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Sequence 236, App
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                    1 LPGPFLCGALLGFLCLSGLA......ERPSSASTVTTTKSKLPMVV 324
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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19: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
                       GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-820-893-60

US-10-607-565-60

US-10-227-884-236

US-10-230-138-236

US-10-218-631-236

US-10-218-631-236

US-10-218-631-236

US-10-232-224-236

US-10-216-1564-236

US-10-218-849-236

US-10-227-873-236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Total number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%.
Listing first 45 summaries
                                                                                                                    protein search, using sw model
                                                                                                                                                                                                                                                                US-10-607-565-60_COPY_4_327
1685
                                                                                                                                                                                                                                                                                                                                                                  BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length
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Gaps

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Length 327; Indels 123

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TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PIC79
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PRIOR APPLICATION NUMBER: 10/119,480
PRIOR PILLING DATE: 2002-04-09
PRIOR FILLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-09-17
PRIOR PELLING DATE: 1997-09-17
PRIOR FILLING DATE: 1997-10-29
PRIOR PELLING DATE: 1997-10-29
PRIOR PELLING DATE: 1997-10-31
PRIOR PELLING DATE: 1998-03-26
PRIOR PELLING DATE: 1998-04-15
PRIOR PELLING DATE: 1998-05-05
PRIOR PELLING DATE: 1998-05-05
PRIOR PELLING DATE: 1998-05-05
PRIOR PELLING DATE: 1998-05-13
PRIOR PELLING DATE: 1998-05-13
PRIOR PELLING DATE: 1998-05-13
PRIOR PELLING DATE: 1998-05-15
PRIOR PELLING DATE: 1998-05-16
PRIOR PELLING DATE: 1998-05-17
PRIOR PELLING DATE: 1998-06-18
PRIOR PELLING DATE: 1998-06-19
PRIOR PELLING DATE: 19
                                                                                                                                                                      Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
   US20030027988A1
                                                      APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                    Goddard, Audrey
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                              GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                   TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                                                                                                                                   GALIGVLIGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 TEPTESPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 LPGPFLCGALIGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
                                                                                                                                                                                                                                                                 244 GALIGVILGVILISVAAFCIVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
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NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG
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FILLE REFERENCE: PSO33P1
FILLE REFERENCE: PSO33P1
CURRENT APPLICATION NUMBER: US/10/607,565
CURRENT FILING DATE: 2003-06-27
FRIOR APPLICATION NUMBER: US/09/531,119
FRIOR FILING DATE: 2000-08-27
FRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/101,546
FRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
FRIOR FILING DATE: EARLIER FILING DATE: 1998-09-23
FRIOR FILING DATE: EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 140
SOFTWARE: PALENTIN VET. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 1685; DB 15; Length 327; Best Local Similarity 100.0%; Pred. No. 7.8e-120; Matches 324; Conservative 0; Mismatches 0; Indels 0;
                                                                                                                                                                                                                                                                                                                                                                                     304 KGFLERPSSASTVITIKSKLPMVV 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KGPLERPSSASTVTTTKSKLPMVV 324
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US-10-227-884-236
; Sequence 236, Application US/10227884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 60, Application US/10607565
Publication No. US20040048294A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-10-607-565-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-607-565-60
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LENGTH: 327
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R FILING DATE: 1998-10-28
R PAPLICATION NUMBER: 60/106248
R FILING DATE: 1998-10-29
R APPLICATION NUMBER: 60/106464
R APPLICATION NUMBER: 60/106905
R APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-10-30 R APPLICATION NUMBER: 60/113296
R FILING DATE: 1998-12-22
R APPLICATION NUMBER: 60/113605
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/113621
R FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/096146 FILING DATE: 1998-08-11 APPLICATION NUMBER: 60/096791 FILING DATE: 1998-08-17
APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099812 FILING DATE: 1998-08-31 APPLICATION NUMBER: 60/099596 APPLICATION NUMBER: 60/099598 FILING DATE: 1998-09-09 APPLICATION NUMBER: 60/099803 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/099816 FILING DATE: 1998-09-11 APPLICATION NUMBER: 60/100385 APPLICATION NUMBER: 60/100390 FILING DATE: 1998-09-15 PLICATION NUMBER: 60/100627 LING DATE: 1998-09-16 APPLICATION NUMBER: 60/100848 FILING DATE: 1998-09-18 APPLICATION NUMBER: 60/100919 FILING DATE: 1998-09-17 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101922
APPLICATION NUMBER: 60/101922
APPLICATION NUMBER: 60/106178 FILING DATE: 1998-11-17
APPLICATION UNDER: 60/108801
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 PLICATION NUMBER: 60/099811 APPLICATION NUMBER: 60/100038 APPLICATION NUMBER: 60/101738 APPLICATION NUMBER: 60/101741 APPLICATION NUMBER: 60/101786 APPLICATION NUMBER: 60/101916 APPLICATION NUMBER: 60/108787 FILING DATE: 1998-11-18 APPLICATION NUMBER: 60/112422 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 1998-09-10 FILING DATE: 1998-09-15 1998-09-09 1998-09-25 FILING DATE: 1998-12-15 FILING DATE: 1998-09-24 1998-09-2 1998-09-LING DATE: FILING DATE: FILING DATE: FILING DATE: ILING DATE: PRIOR
PRIOR PRIOR PRIOR PRIOR PRIOR

NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180 TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120 124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183 TFPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 24 1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ Gaps ö Length 327; Indels Score 1677; DB 14; Pred. No. 3.2e-119; 0; Mismatches 1; FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 FILING DATE: 1999-04-1 APPLICATION NUMBER: 60/131022 FILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287 APPLICATION NUMBER: 60/140723 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 FILING DATE: 1999-06-23 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/140650 APPLICATION NUMBER: 60/144758 FILING DATE: 1999-07-20 FILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/149320 FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/149638 APPLICATION NUMBER: 60/164418 FILING DATE: 1999-11-09 APPLICATION NUMBER: 60/169835 FILING DATE: 1999-03-10 APPLICATION NUMBER: 60/125259 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/151733 APPLICATION NUMBER: 60/169495 APPLICATION NUMBER: 60/131291 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/166361 Query Match Best Local Similarity 99.7%; Matches 323; Conservative FILING DATE: 1999-04-26 1999-08-03 FILING DATE: 1999-06-22 FILING DATE: 1999-08-31 FILING DATE: 1999-11-FILING DATE: 64 61 121 181 184 PRIOR
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R FILING DATE: 1998-06-24
RR APPLICATION NUMBER: 60/090691
RR FILING DATE: 1998-06-25
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RR FILING DATE: 1998-06-28
RR FILING DATE: 1998-07-07
RR FILING DATE: 1998-07-07
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R APPLICATION NUMBER: 60/099598
R FILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099803
R APPLICATION NUMBER: 60/099811
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APPLICATION NUMBER: 60/100919
FILING DATE: 1998-09-17
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FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER: 60/108849
FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/095318
FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095916
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APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
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FILING DATE: 1998-08-26
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FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-11
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/100848
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FILING DATE: 1998-09-23
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APPLICATION NUMBER: 60/101786
FILING DATE: 1998-09-25
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APPLICATION NUMBER: 60/101922
FILING DATE: 1998-09-24
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FILING DATE: 1998-10-28
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FILING DATE: 1998-10-29
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FILING DATE: 1998-10-30
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APPLICATION UNDBER: 60/108787
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108801
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FILING DATE: 1998-08-17
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APPLICATION
PRESENTATION PRINCIPLY OF PRINC
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                            GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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Publication No. US20030036635A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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APPLICANT: Gurnay, Austrin L.
APPLICANT: Gurnay, Austrin L.
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PL022
CURRENT APPLICATION NUMBER: 10/119,480
PRIOR APPLICATION NUMBER: 60/06291
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-09-17
PRIOR PRILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
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4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
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NUMBER OF SEQ ID NOS: 246
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Publication No. US20030044934A1
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Grimaldi, J. Christopher
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                                                                         PRIOR APPLICATION NUMBER: 60/113605
PRIOR PLING DATE: 1998-12-23
PRIOR PLING DATE: 1998-12-23
PRIOR FILING DATE: 1999-12-23
PRIOR PLING DATE: 1999-11-12
PRIOR PELING DATE: 1999-01-12
PRIOR PELING DATE: 1999-03-19
PRIOR PELING DATE: 1999-04-27
PRIOR PELING DATE: 1999-07-20
PRIOR PELING DATE: 1999-08-03
PRI
                R APPLICATION NUMBER: 6/113296
R FILING DATE: 1998-12-22
R FILING DATE: 1998-12-23
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/113621
R FILING DATE: 1998-12-23
R APPLICATION NUMBER: 60/11558
R FILING DATE: 1999-01-12
R APPLICATION NUMBER: 60/11558
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DB 14; Length 327;

99.5%; Score 1677;

ORGANISM: Homo Sapien

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US-10-230-338-236

Query Match

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CURRENT PELLING DATE: 2002-08-28
PRIOR PEPLICATION NUMBER: US/119,480
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR PELLING DATE: 1997-09-17
PRIOR PELLING DATE: 1997-10-17
PRIOR PELLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063849
PRIOR FILING DATE: 1997-10-31
PRIOR PELLING DATE: 1998-03-20
PRIOR PELLING DATE: 1998-03-26
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Godowski, Paul J.
Grimaldi, J. Christopher
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US-10-230-414-236
'S equence 236, Application US/10230414
'Publication No. US2003005044881
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Smith, Victoria
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APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                               ; ORGANISM: Homo Sapien
US-10-218-631-236
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanaba, Jean-Philippe F.
APPLICANT: Watanaba, Jean-Philippe F.
APPLICANT: Watanaba, Jean-Philippe F.
APPLICANT: Wood, William I.
TITLE OF INVENTION: ACIDS ERCRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TILE OF INVENTION NUMBER: 10/10/218, 631
CURRENT FILING DATE: 2002-08-12
PRIOR PILING DATE: 1297-09-17
PRIOR FILING DATE: 1297-09-17
PRIOR FILING DATE: 1397-10-28
PRIOR PILING DATE: 1399-10-20-20
PRIOR PILING DATE: 1398-03-26
PRIOR PILING DATE: 1398-03-27
PRIOR PILING DATE: 1398-03-26
PRIOR PILING DATE: 1398-03-26
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                               Indels
  Pred. No. 3.2e-119;
0; Mismatches 1;
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99.78;
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
                            Matches 323; Conservative
     Best Local Similarity
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APPLICANT: Godowski, Paul J.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PIC6
CURRENT APPLICATION NUMBER: US/10/216,159A
CURRENT FILING DATE: 2002-08-09
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                     PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR PLICATION NUMBER: 60/079728
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063149
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Best Local Similarity 99.79
Matches 323; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                                         TYPE: PRT
ORGANISM: Homo Sapien
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MOODY, MILLSAMI.
MOODY, MILLSAMI.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPERENCE: P5330P1C111
CURRENT APPLICATION NUMBER: US/10/232,224
CURRENT FILING DATE: 2002-08-09
PRIOR PILING DATE: 2002-04-09
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-28
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
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                       Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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Pred. No. 3.2e-119;
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Goddwski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
Srephan, Jean-Philippe F.
Watanabe, Colin L.
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PRIOR FILING DATE: 1998-03-27
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Best Local Similarity 99.7°
Matches 323; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                   TYPE: PRT

ORGANISM: Homo Sapien

US-10-230-414-236
                                                             SEQ ID NO 236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/069973
PRIOR PELLOR DATE: 1997-12-17
PRIOR PILING DATE: 1997-12-17
PRIOR PELLOR DATE: 1998-03-20
PRIOR PELLOR DATE: 1998-03-20
PRIOR PELLOR DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079294
PRIOR APPLICATION NUMBER: 60/07926
PRIOR APPLICATION NUMBER: 60/07926
PRIOR APPLICATION NUMBER: 60/079728
PRIOR PILING DATE: 1998-03-26
PRIOR PRIOR PRIOR DATE: 1998-03-26
PRIOR PELLOR DATE: 1998-03-26
PRIOR PELLOR DATE: 1998-03-26
PRIOR PILING DATE: 1998-03-26
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CURRENT APPLICATION NUMBER: US/10/218,849
CURRENT FILING DATE: 2002-08-12
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 246
LENGTH: 327
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Best Local Similarity 99.7%; Pred. No. 3.2e-119;
Matches 323; Conservative 0; Mismatches 1;
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Publication No. US20030073814A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Mary
APPLICANT: Gerritsen, Mary
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
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                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-216-159A-236
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APPLICANT: Smitch, Victoria paraleliane APPLICANT: Smitch, Victoria parplicant: Stephan, Jean-Philippe F. APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. APPLICANT: Watanabe, Colin L. TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: PASSOPPICZ: CURRENT APPLICATION NUMBER: US/10/12/480 PRIOR PILING DATE: 2002-04-09 PRIOR FILING DATE: 1997-09-17 PRIOR APPLICATION NUMBER: 60/65913 PRIOR APPLICATION NUMBER: 60/65287 PRIOR FILING DATE: 1997-10-17 PRIOR PRIOR FILING DATE: 1997-10-17 PRIOR PRIOR DATE: 1997-10-17 PRIOR APPLICATION NUMBER: 60/063549 PRIOR FILING DATE: 1997-10-17 PRIOR PRIOR DATE: 1997-10-28 PRIOR FILING DATE: 1997-10-31 PRIOR FILING DATE: 1997-12-17 PRIOR APPLICATION NUMBER: 60/069973 PRIOR FILING DATE: 1997-12-17 PRIOR APPLICATION NUMBER: 60/079294 PRIOR APPLICATION NUMBER: 60/079296 PRIOR APPLICATION NUMBER: 60/079296 PRIOR APPLICATION NUMBER: 60/079294 PRIOR APPLICATION NUMBER: 60/079296 PRIOR PRIOR PLING DATE: 1998-03-26 PRIOR PRIOR PLING DATE: 1998-03-26 PRIOR PLING DATE: 1998-03-26 PRIOR PRIOR PLING DATE: 1998-03-26 PRIOR PLING DATE: 1998-
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                                                                                                                                   Score 1677; DB 14; Length 327;
Pred. No. 3.2e-119;
0; Mismatches 1; Indels 0
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Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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                                                                                                                                            99.5%;
                                                                                                                                            Query Match 99.5
Best Local Similarity 99.7
Matches 323; Conservative
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, ORGANISM: Homo Sapien
US-10-218-849-236
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R APPLICATION NUMBER: 60/081819
R FILING DATE: 1998-04-15
A PPLICATION NUMBER: 60/081955
R FILING DATE: 1998-04-15
R APPLICATION NUMBER: 60/082804
R FILING DATE: 1998-04-22
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R APPLICATION WUMBER: 60/099816
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R APPLICATION NUMBER: 60/100038
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FILING DATE: 1998-06-17
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FILING DATE: 1998-05-06
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-08-04
APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
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APPLICATION UNDRER: 60/085579
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090695
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FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096791
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FILING DATE: 1998-09-09
APPLICATION NUMBER: 60/099803
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APPLICATION NUMBER: 60/099811
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FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/101738
FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/095302
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APPLICATION NUMBER: 60/099596
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APPLICATION NUMBER: 60/100848
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APPLICATION NUMBER: 60/100919
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FILING DATE: 1998-03-27
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R APPLICATION NUMBER: 60/106905
R FILING DATE: 1998-11-03
R APPLICATION NUMBER: 60/108787
R FILING DATE: 1998-11-17
R APPLICATION NUMBER: 60/108801 APPLICATION NUMBER: 60/113605 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/113621 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/115558 FILING DATE: 1998-09-25 APPLICATION NUMBER: 60/101916 APPLICATION NUMBER: 60/113296 FILING DATE: 1998-12-22 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115733 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131291 APPLICATION NUMBER: 60/108849 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 60/101786 APPLICATION NUMBER: 60/112422 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 FILING DATE: 1999-04-21 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/140650 APPLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/127887 APPLICATION NUMBER: 60/140723 APPLICATION NUMBER: 60/141037 PPLICATION NUMBER: 60/144758 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 FILING DATE: 1998-11-18 FILING DATE: 1998-12-15 FILING DATE: 1999-07-26 FILING DATE: 1998-11-17 FILING DATE: 1999-03-10 FILING DATE: 1999-03-29 FILING DATE: 1999-04-26 FILING DATE: 1999-04-27 FILING DATE: 1999-06-22 FILING DATE: 1999-06-22 1999-07-20 FILING DATE: 1999-06-23 1998-09-2 PRILICA PRILIC PRIOR

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APPLICATION NUMBER: 60/099816
FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/10038
FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/086392
FILING DATE: 1998-05-22
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APPLICATION NUMBER: 60/078910
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FILING DATE: 1998-04-15
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APPLICATION NUMBER: 60/08441
APPLICATION NUMBER: 60/085323
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APPLICATION NUMBER: 60/090472
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APPLICATION NUMBER: 60/090695
FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/095318
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APPLICATION NUMBER: 60/095916
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APPLICATION NUMBER: 60/096146
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APPLICATION NUMBER: 60/096791
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FILING DATE: 1998-08-26
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APPLICATION NUMBER: 60/099812
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APPLICATION NUMBER: 60/079294
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APPLICATION NUMBER: 60/090691
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       181 TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   184 TFPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQGRVA 243
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
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PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR PILING DATE: 1999-08-17
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PRIOR PEPLING DATE: 1999-08-17
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PRIOR PELING DATE: 1999-08-17
PRIOR APPLICATION NUMBER: 60/151733
PRIOR APPLICATION NUMBER: 60/16418
PRIOR FILING DATE: 1999-11-09
PRIOR PELING DATE: 1999-11-16
PRIOR APPLICATION NUMBER: 60/16945
PRIOR APPLICATION NUMBER: 60/16945
PRIOR PELING DATE: 1999-12-07
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NETILING DATE: 1998-09-16

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NE FILING DATE: 1998-09-18

NE PLING DATE: 1998-09-18

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APPLICATION NUMBER: 60/108849
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/119549
FILING DATE: 1999-02-10
APPLICATION NUMBER: 60/123618
APPLICATION NUMBER: 60/100390
FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/101786
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APPLICATION UNDRER: 60/101922
FILING DATE: 1998-09-24
APPLICATION NUMBER: 60/106178
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APPLICATION NUMBER: 60/106248
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FILING DATE: 1998-11-03
APPLICATION NUMBER: 60/108787
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APPLICATION NUMBER: 60/112422
FILING DATE: 1998-12-15
APPLICATION NUMBER: 60/113296
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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APPLICATION NUMBER: 60/106464
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APPLICATION UNMBER: 60/131445
FILING DATE: 1999-04-28
APPLICATION NUMBER: 60/134287
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FILING DATE: 1998-12-23
APPLICATION NUMBER: 60/113621
FILING DATE: 1999-12-23
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APPLICATION NUMBER: 60/126773
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APPLICATION NUMBER: 60/127887
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FILING DATE: 1999-04-21
APPLICATION NUMBER: 60/131022
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FILING DATE: 1999-04-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 60/125259
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99.7%; Pred. No. 3.2e-119;
cive 0; Mismatches 1;
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
                                                      R APPLICATION NUMBER: 60/141037
R RELIGNED DATE: 1999-06-23
R APPLICATION NUMBER: 60/144758
R FILING DATE: 1999-07-20
R APPLICATION NUMBER: 60/145698
R FILING DATE: 1999-07-26
R APPLICATION NUMBER: 60/146222
R APPLICATION NUMBER: 60/146963
R APPLICATION NUMBER: 60/146963
R APPLICATION NUMBER: 60/146963
R APPLICATION DATE: 1999-08-03
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AFFLING DATE: 1999-Ub-22
APPLICATION NUMBER: 60/140723
                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 60/149638
FILING DATE: 1999-08-17
APPLICATION NUMBER: 60/151733
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APPLICATION NUMBER: 60/164418
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FILING DATE: 1999-11-16
APPLICATION NUMBER: 60/169445
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APPLICATION NUMBER: 60/169495
FILING DATE: 1999-12-07
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FILING DATE: 1999-08-17
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323; Conserv
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US-10-219-076-236
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Best Local S.
Matches 323
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APPLICANT: SCHOOL AND ALELLAND AND TANSEMBRADAR PARTICANT: STATION, VICTORIA APPLICANT: STATION AND APPLICANT: STATION APPLICANT: STAT
            APPLICANT: Wacai, William I.

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TITLE OF INVENTION: ACIDS ENCODING THE SAME
TILL REPERENCE: P5530P1C62
CURRENT APPLICATION NUMBER: US/10/219,076
CURRENT PILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PELING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-28
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PRIOR PELING DATE: 1997-10-28
PRIOR PELING DATE: 1997-12-17
PRIOR PELING DATE: 1997-12-17
PRIOR PELING DATE: 1997-12-17
PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-03-25
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PRIOR PELING DATE: 1998-03-27
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Pred. No. 3.2e-119;
0; Mismatches 1;
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; Sequence 236, Application US/10230434
; Publication No. US2030078380A1
; GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Genenoyers, Luc
; APPLICANT: Gerittsen, Mary
APPLICANT: Goddard, Audrey
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ORGANISM: Homo Sapien
Watanabe,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
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APPLICATION NUMBER: 60/099596
FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/099803
ALING DATE: 1988-09-10
APPLICATION NUMBER: 60/099811
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APPLICATION NUMBER: 60/099812
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FILING DATE: 1998-09-10
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FILING DATE: 1998-09-11
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FILING DATE: 1998-09-15
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APPLICATION NUMBER: 60/100848
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APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101738
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FILING DATE: 1998-09-25
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FILING DATE: 1998-10-28
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APPLICATION NUMBER: 60/106248
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APPLICATION NUMBER: 60/106905
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APPLICATION NUMBER: 60/108787
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108801
FILING DATE: 1998-11-17
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FILING DATE: 1998-11-18
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
                        PPLICATION NUMBER: 60/098544
[LING DATE: 1998-08-31
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FILING DATE: 1998-09-09
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APPLICATION NUMBER: 60/101741
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FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/113605
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APPLICATION NUMBER: 60/113621
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APPLICATION NUMBER: 60/115733
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APPLICATION NUMBER: 60/119549
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1998-08-26
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124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
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Pred. No. 3.2e-
0; Mismatches
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                                                                   R FILING DATE: 1999-04-05
R APPLICATION NUMBER: 60/130232
R FILING DATE: 1999-04-21
R FILING DATE: 1999-04-26
R FILING DATE: 1999-04-26
R APPLICATION NUMBER: 60/131270
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APPLICATION UNDRER: 60/131291
PILING DATE: 1999-04-27
APPLICATION NUMBER: 60/131445
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FILING DATE: 1999-06-22
APPLICATION NUMBER: 60/140723
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APPLICATION WINBER: 60/169495
APPLICATE: 1999-12-07
APPLICATION NUMBER: 60/169835
FILING DATE: 1999-03-23
APPLICATION UNDBER: 60/126773
FILING DATE: 1999-03-29
APPLICATION NUMBER: 60/127887
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FILING DATE: 1999-06-23
APPLICATION NUMBER: 60/144758
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APPLICATION NUMBER: 60/145698
FILING DATE: 1999-07-26
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APPLICATION NUMBER: 60/164418
FILING DATE: 1999-11-09
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APPLICATION NUMBER: 60/169445
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APPLICATION NUMBER: 60/134287
FILING DATE: 1999-05-14
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FILING DATE: 1999-07-28
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FILING DATE: 1999-08-03
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Best Local Similarity 99.7%;
Matches 323; Conservative
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APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: P3530PLC12
CURRENT APPLICATION NUMBER: US/10/219,003
RESULT 15
US-10-219-003-236
; Sequence 236, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
nobilCANT: Gerritsen, Mary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR PRING DATE: 2002-06-12
PRIOR PLING DATE: 2002-04-09
PRIOR PLING DATE: 1997-09-17
PRIOR PELING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PELING DATE: 1997-10-18
PRIOR PELING DATE: 1997-10-31
PRIOR PELING DATE: 1998-03-20
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PRIOR PELING DATE: 1998-03-25
PRIOR PELING DATE: 1998-04-15
PRIOR PELING DATE: 1998-05-06
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Godowski, Paul J.
Grimaldi, J. Christopher
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A APPLICATION NUMBER: 60/095302
R FILING DATE: 1998-08-04
R APPLICATION NUMBER: 60/095318
R FILING DATE: 1998-08-04
S APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
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R APPLICATION NUMBER: 60/096791
R PILING DATE: 1998-08-17
R APPLICATION NUMBER: 60/097986
R FILING DATE: 1998-08-26
R APPLICATION NUMBER: 60/098544
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R APPLICATION NUMBER: 60/099598
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R APPLICATION NUMBER: 60/099803
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APPLICATION NUMBER: 60/101922
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APPLICATION NUMBER: 60/113605
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APPLICATION NUMBER: 60/099812
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APPLICATION NUMBER: 60/101741
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APPLICATION NUMBER: 60/112422
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APPLICATION NUMBER: 60/100627
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APPLICATION NUMBER: 60/100848
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APPLICATION NUMBER: 60/101916
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APPLICATION NUMBER: 60/106464
FILING DATE: 1998-10-30
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FILING DATE: 1998-11-03
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  APPLICATION NUMBER: 60/091982
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FILING DATE: 1998-11-17
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                 LING DATE: 1998-07-
  304 KGFLERPSSASTVTTTKSKLPMVV 327
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124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
                                                                                                         TPPTPSPGSMVQDEVSGQLILITNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA 240
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                PRIOR APPLICATION NUMBER: 60/115558
PRIOR PLING DATE: 1999-01-12
PRIOR PLING DATE: 1999-03-19
PRIOR PLING DATE: 1999-03-23
PRIOR PLING DATE: 1999-04-05
PRIOR PPLING DATE: 1999-06-02
PRIOR PPLING DATE: 1999-06-02
PRIOR PPLING DATE: 1999-06-03
PRIOR PLING DATE: 1999-06-03
PRIOR PPLING DATE: 1999-06-03
PRIOR PPLING DATE: 1999-07-06
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PRIOR PLING DATE: 1999-07-06
PRIOR PPLING DATE: 1999-07-06
PRIOR PLING DATE: 1999-07-06
PRIOR PPLING DATE: 1999-07-08
PRIOR PPLING DATE: 1999-07-08
PRIOR PPLING DATE: 1999-08-17
PRI
FILING DATE: 1998-12-23
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Best Local Similarity 99.7°
Matches 323; Conservative
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PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120

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Title: Perfect score:

Sequence:

OM protein

Run on:

Scoring table:

Searched:

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FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120
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US-10-227-883-236
US-10-219-076-236
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US-10-219-528-236
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US-10-227-881-236
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TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REFERENCE: P2037P1
FURRENT APPLICATION NUMBER: US/09/820,893
CURRENT FILING DATE: 2001-03-30
FRIOR APPLICATION NUMBER: 09/531,119
PRIOR APPLICATION NUMBER: 60/102,895
PRIOR FILING DATE: 1998-10-02
PRIOR FILING DATE: 1998-10-02
SOFTWARE: Patentin Ver: 2.0
SOFTWARE: Patentin Ver: 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 60, Application US/09820893; Patent No. US20020076705A1; GENERAL INFORMATION:
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 TYPE: PRT
ORGANISM: Homo sapiens
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 US-09-820-893-60
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Sequence 236, Appl
Sequence 236, App
                                                                                     August 4, 2005, 06:13:42; Search time 88.2229 Seconds (without alignments) 1447.018 Million cell updates/sec
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US-10-230-133-236

US-10-218-631-236

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US-10-227-873-236
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Maximum Match 100%
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                                                                - protein search, using sw model
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seq length: 200000000
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                                                                       121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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                                         CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 60, Application US/10607565

Publication No. US20040048294A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 31 Human Secreted Proteins
FILE REPERENCE: P2033P1

CURRENT APPLICATION NUMBER: US/10/607,565

CURRENT FILING DATE: 2003-06-27

PRIOR APPLICATION NUMBER: US/09/531,119

PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: 60/101,546

PRIOR PILING DATE: EARLIER FILING DATE: 1998-09-23

PRIOR PLING DATE: EARLIER FILING DATE: 1998-10-02

NUMBER OF SEQ ID NOS: 140

SOFTHARE: Patentin Ver. 2.0

SOFTHARE: Patentin Ver. 2.0

LENGTH: 327
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; Sequence 236, Application US/10227884
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US-10-607-565-60
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US-10-607-565-60
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PPLICATION NUMBER: 60/100919
ILING DATE: 1998-09-17
PPLICATION NUMBER: 60/101477
ILING DATE: 1998-09-23
PPLICATION NUMBER: 60/101738
              APPLICATION NUMBER: 60/096146
FILING DATE: 1998-08-11
APPLICATION NUMBER: 60/096791
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APPLICATION NUMBER: 60/100385
                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-09-15
APPLICATION NUMBER: 60/100627
FILING DATE: 1998-09-16
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FILING DATE: 1998-09-18
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APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
APPLICATION NUMBER: 60/106464
FILING DATE: 1998-10-30
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115733
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FILING DATE: 1998-08-26
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PPLICATION NUMBER: 60/101916
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PPLICATION NUMBER: 60/101922
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APPLICATION NUMBER: 60/106905
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APPLICATION NUMBER: 60/112422
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FILING DATE: 1998-08-31
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APPLICATION NUMBER: 60/106178
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APPLICATION NUMBER: 60/113605
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APPLICATION NUMBER: 60/115558
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APPLICATION NUMBER: 60/113621
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FVQPGKDISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHDSDTGTYL 120 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPSQG 240 1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS MABLPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWS COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG Gaps ô Length 327; Indels Score 1691; DB 14; Pred. No. 3.4e-120; 0; Mismatches 1; R FILING DATE: 1999-05-14

R APPLICATION NUMBER: 60/140650

R APPLICATION NUMBER: 60/140723

R APPLICATION NUMBER: 60/140723

R FILING DATE: 1999-06-22

R APPLICATION NUMBER: 60/141037

R PILING DATE: 1999-06-23

R APPLICATION NUMBER: 60/144758

R APPLICATION NUMBER: 60/144758 FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 APPLICATION NUMBER: 60/126773 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-05 APPLICATION NUMBER: 60/130232 FILING DATE: 1999-04-21 FILING DATE: 1999-04-26 APPLICATION NUMBER: 60/131270 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/149638 FILING DATE: 1999-08-17 APPLICATION NUMBER: 60/151733 APPLICATION NUMBER: 60/145698 FILING DATE: 1999-07-26 PILING DATE: 1999-07-26 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 APPLICATION NUMBER: 60/166361 FILING DATE: 1999-11-16 APPLICATION NUMBER: 60/169495 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/131291 Query Match
Best Local Similarity 99.7%;
Matches 326; Conservative 1999-04-27 1999-08-03 1999-08-3 FILING DATE: 1999-08 APPLICATION NUMBER: FILING DATE: 61 5 121 121 181 181 PRIOR `; 8 g 셤 ઠ 셤 ઠે g ઠે

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APPLICATION NUMBER: 60/108849
FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/112422
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/091982
PILING DATE: 1998-07-07
APPLICATION NUMBER: 60/095302
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APPLICATION NUMBER: 60/100390
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APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-10
APPLICATION NUMBER: 60/100038
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APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101477
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APPLICATION NUMBER: 60/101738
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FILING DATE: 1998-09-24
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FILING DATE: 1998-09-24
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APPLICATION NUMBER: 60/108787
                 FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090691
FILING DATE: 1998-06-25
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FILING DATE: 1998-08-04
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APPLICATION NUMBER: 60/097986
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APPLICATION NUMBER: 60/098544
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APPLICATION NUMBER: 60/099596
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FILING DATE: 1998-09-09
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099812
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FILING DATE: 1998-09-16
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121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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PRIOR FILING DATE: 100.70.940
PRIOR FILING DATE: 1997-09-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR PLICATION NUMBER: 60/062287
PRIOR PLICATION NUMBER: 60/06349
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR FILING DATE: 1997-10-31
PRIOR PLICATION NUMBER: 60/069873
PRIOR PLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-12-17
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR PLICATION NUMBER: 60/079294
PRIOR PLICATION NUMBER: 60/079266
PRIOR PLICATION NUMBER: 60/079266
PRIOR PLICATION NUMBER: 60/079656
PRIOR PLICATION N
1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
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APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC TITLE OF INVENTION: ACIDS ENCODING THE SAME FILE REFERENCE: 9530PL092
CURRENT APPLICATION NUMBER: US/10/230,338
CURRENT FILING DATE: 2002-08-28
PRIOR APPLICATION NUMBER: 10/119,480
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Gurney, Austin L.
Smith, Victoria
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
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Grimaldi, J. C
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Best Local Similarity 99.7%; Pred. No. 3.4e-120;
Matches 326; Conservative 0; Mismatches 1;
                                                                                   PRIOR APPLICATION NUMBER: 60/113605
PRIOR FILING DATE: 1938-12-23
PRIOR PLING DATE: 1938-12-23
PRIOR PLING DATE: 1938-12-23
PRIOR PLING DATE: 1938-12-23
PRIOR PLING DATE: 1939-01-12
PRIOR PLING DATE: 1939-01-12
PRIOR APPLICATION NUMBER: 60/11555
PRIOR APPLICATION NUMBER: 60/11555
PRIOR PLING DATE: 1939-01-12
PRIOR PLING DATE: 1939-01-12
PRIOR PLING DATE: 1939-01-12
PRIOR PLING DATE: 1939-03-10
PRIOR PLING DATE: 1939-03-23
PRIOR PLING DATE: 1939-03-23
PRIOR PLING DATE: 1939-04-21
PRIOR PLING DATE: 1939-04-22
PRIOR PPLING DATE: 1939-04-27
PRIOR PLING DATE: 1939-04-27
PRIOR PLING DATE: 1939-04-27
PRIOR PLING DATE: 1939-04-28
PRIOR PLING DATE: 1939-04-27
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PRIOR PPLING DATE: 1939-06-22
PRIOR PLING DATE: 1939-06-22
PRIOR PPLING DATE: 1939-06-32
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PRIOR PPLING DATE: 1939-07-26
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PRIOR PPLING DATE: 1939-08-3
PRIOR PPLING DATE: 1939-08-17
PRIOR PPLING DATE: 1939-08-11
                       DR APPLICATION NUMBER: 60/113296

PR FILING DATE: 1998-12-22

PR FILING DATE: 1998-12-23

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PR FILING DATE: 1998-12-33

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PRIOR APPLICATION NUMBER: 60/169495
PRIOR FILING DATE: 1999-12-07
PRIOR APPLICATION NUMBER: 60/169835
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APPLICATION NUMBER: 60/169445
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99.5%; Score 1691; DB 14; Length 327;

US-10-230-338-236

Query Match

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APPLICANT: STEPAN, JGEOTIA D.
APPLICANT: STEPAN, JGEOTIA D.
APPLICANT: STEPAN, JGEOTIA D.
APPLICANT: WATANABE, COLIN L.
APPLICANT: WATANABE, COLIN L.
APPLICANT: WOOd, WILliam I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE SPERENEE STAPTOW
CURRENT APPLICATION NUMBER: US/119, 480
PRIOR PLLING DATE: 2002-04-09
PRIOR PLLING DATE: 1997-09-17
PRIOR PLLING DATE: 1997-09-17
PRIOR PLLING DATE: 1997-10-17
PRIOR PLLING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063549
PRIOR PLLING DATE: 1997-10-28
PRIOR PLLING DATE: 1997-10-28
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PRIOR PLLING DATE: 1997-12-17
PRIOR PLLING DATE: 1997-12-17
PRIOR PLLING DATE: 1997-12-17
PRIOR PLLING DATE: 1997-12-17
PRIOR PLLING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079656
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                                                                                                                          99.5%; Score 1691; DB 14; Length 327; 99.7%; Pred. No. 3.4e-120;
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                                                                                                                                                                                        0; Mismatches
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Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Smith, Victoria
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                    Query Match
Best Local Similarity 99.7
Matches 326; Conservative
TYPE: PRT
ORGANISM: Homo Sapien
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                                                             US-10-218-631-236
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APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3500PLG4
CURRENT APPLICATION NUMBER: 10/119,480
PRIOR FILING DATE: 2002-08-12
PRIOR APPLICATION NUMBER: 60/0659113
PRIOR PAPLICATION NUMBER: 60/0659113
PRIOR PELLON NUMBER: 60/0659113
PRIOR PELLON NUMBER: 60/06349
PRIOR PELLON NUMBER: 60/06349
PRIOR PELLON NUMBER: 60/064103
PRIOR PELLON NUMBER: 60/064103
PRIOR PELLON NUMBER: 60/06493
PRIOR PELLON NUMBER: 60/06493
PRIOR PELLON NUMBER: 60/06991
PRIOR PELLON NUMBER: 60/079294
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                                Gaps
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                             Indels
Pred. No. 3.4e-120;
0; Mismatches 1;
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Publication No. US20030045687A1
GENERAL INFORMATION:
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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                                   326; Conservative
Best Local Similarity
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US-10-218-631-236
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                           PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR APPLICATION NUMBER: 60/079528
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
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PRIOR FILING DATE: 2002-04-09
PRIOR PEDILOGRATION NUMBER: 60/059113
PRIOR PELING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR FILING DATE: 1997-10-17
PRIOR PELING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-28
PRIOR PLICATION NUMBER: 60/063549
PRIOR PLICATION NUMBER: 60/063549
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; Publication No. US20030069397A1
; GENERAL INFORMATION:
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Best Local Similarity 99.73
Matches 326; Conservative
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
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US-10-232-224-236
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APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
Gurney, Austin L.
APPLICANT: Suith, Victoria,
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Macanabe, Colin L.
APPLICANT: Macanabe, Colin L.
APPLICANT: WOOd, William I.
TITLE OF INVENTION: BACIDS ENCODING THE SAME
FILE REFERENCE: P3530PC111
FILE OF INVENTION: MADER: U5/10/232,224
CURRENT APPLICATION NUMBER: U5/10/232,224
CURRENT FILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-10-17
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR APPLICATION NUMBER: 60/069873
PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-03-27
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 246
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99.7%; Pred. No. 3.4e-120;
tive 0; Mismatches 1;
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Publication No. US20030065147A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
                                                                                                                                                                                                               Query Match
Best Local Similarity 99.7°
Matches 326; Conservative
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                                                                                                              TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-414-236
                                                                   SEQ ID NO 236
LENGTH: 327
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; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-849-236
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US-10-227-873-236
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PRIOR FILING DATE: 1997-10-31
PRIOR PLING DATE: 1997-10-31
PRIOR PLING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR PLING DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-20
PRIOR PLING DATE: 1998-03-26
PRIOR PLING DATE: 1998-03-27
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CURRENT APPLICATION NUMBER: US/10/218,849

CURRENT FILING DATE: 2002-08-12

Prior Application removed - See File Wrapper or Palm NUMBER OF SEQ ID NOS: 246
SEQ ID NO 236
LENGTH: 327
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US-10-218-649-236
Sequence 236, Application US/10218849
Sequence 236, Application US/10218849
Sepulcation No. US20030073814A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Goddwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Homo Sapien
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APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Stephan, Jean-Philippe F.
APPLICANT: Watanabe, Colin L.
APPLICANT: Watanabe, Colin L.
APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REPREMENT STATION NUMBER: US/10/227,873
CURRENT APPLICATION NUMBER: US/119,480
PRIOR APPLICATION NUMBER: US/119,480
PRIOR APPLICATION NUMBER: 60/069113
PRIOR FILING DATE: 1997-09-17
PRIOR PLING DATE: 1997-09-17
PRIOR PLING DATE: 1997-0-17
PRIOR FILING DATE: 1997-10-17
PRIOR PLING DATE: 1997-10-28
PRIOR PLING DATE: 1997-10-28
PRIOR PLING DATE: 1997-10-28
PRIOR PLING DATE: 1997-12-17
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-25
PRIOR PLING DATE: 1998-03-26
PRIOR PRING DATE: 1998-03-26
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                                                                                                                                            1 MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS
                                                                                                                                                                                                                                                                                                                                                                                  COVINIPPDFYTNGLGLINLTVLVPPSNPLCSOSGQTSVGGSTALRCSSSEGAPKPVXNWV
                        Score 1691; DB 14; Length 327;
Pred. No. 3.4e-120;
99.7%; Pred. No. 3...
99.7%; Pred. No. 3...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DSSKGFLERPSSASTVTTTKSKLPMVV 327
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APPLICANT: Desnoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godwski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Smith, Victoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 236, Application US/10227873
Publication No. US20030073816A1
GENERAL INFORMATION:
                        Query Match
Best Local Similarity 99.79
Matches 326; Conservative
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R APPLICATION NUMBER: 60/081955
R FILING DATE: 1998-04-15
R FILING DATE: 1998-04-22
R APPLICATION NUMBER: 60/084441
R FILING DATE: 1998-05-06
R APPLICATION NUMBER: 60/085323
R APPLICATION NUMBER: 60/085323 AAPPLICATION NUMBER: 60/095302 TILING DATE: 1998-08-04 AAPPLICATION NUMBER: 60/095318 FILING DATE: 1998-08-04 AAPPLICATION NUMBER: 60/095916 FILING DATE: 1998-08-10 R APPLICATION NUMBER: 60/099803 R FILING DATE: 1998-09-10 R APPLICATION NUMBER: 60/099811 R FILING DATE: 1998-09-10 R APPLICATION NUMBER: 60/099812 R FILING DATE: 1998-09-10 ILING DATE: 1998-06-25
PPLICATION NUMBER: 60/090695
ILING DATE: 1998-66-25
PPLICATION NUMBER: 60/091982
ILING DATE: 1998-07-07 PLICATION NUMBER: 60/081819 LING DATE: 1998-04-15 CATION NUMBER: 60/089538 IG DATE: 1998-06-17 PPLICATION NUMBER: 60/089905 ILING DATE: 1998-06-18 LING DATE: 1998-08-10 PLICATION NUMBER: 60/096146 LING DATE: 1998-08-17
PPLICATION NUMBER: 60/097986
LING DATE: 1998-08-26 LING DATE: 1998-08-31 PPLICATION NUMBER: 60/099596 LING DATE: 1998-09-09 APPLICATION NUMBER: 60/099816 FILING DATE: 1998-09-10 APPLICATION NUMBER: 60/101477 FILING DATE: 1998-09-23 AAPPLICATION NUMBER: 60/101738 FILING DATE: 1998-09-24 PLICATION NUMBER: 60/085579 LING DATE: 1998-05-15 PPLICATION NUMBER: 60/086392 [LING DATE: 1998-05-22 PPLICATION NUMBER: 60/090557 ILING DATE: 1998-06-24 LING DATE: 1998-08-26 PLICATION NUMBER: 60/098544 PLICATION NUMBER: 60/099598 LLING DATE: 1998-09-09 APPLICATION NUMBER: 60/100038 FILING DATE: 1998-09-11 PLICATION NUMBER: 60/100385 PPLICATION NUMBER: 60/090472 CATION NUMBER: 60/090691 LING DATE: 1998-08-11 PLICATION NUMBER: 60/096791 APPLICATION NUMBER: 60/100390 APPLICATION NUMBER: 60/100627 APPLICATION NUMBER: 60/100848 1998-09-15 1998-09-15 FILING DATE: 1998-03-27 1998-09-16 91-60-866 998-06-24 998-09-17 LING DATE: LING DATE: LING DATE: PRILICA PRILIC PRIOR PRIOR

R FILING DATE: 1998-10-28

R APPLICATION NUMBER: 60/106248

R FILING DATE: 1998-10-29

R PILING DATE: 1998-10-30

R FILING DATE: 1998-10-30

R APPLICATION NUMBER: 60/106905 APPLICATION NUMBER: 60/101916 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/101922 FILING DATE: 1998-09-24 APPLICATION NUMBER: 60/106178 FILING DATE: 1998-11-17
APPLICATION WNBER: 60/108849
FILING DATE: 1998-11-18
APPLICATION NUMBER: 60/112422 FILING DATE: 1998-12-15 APPLICATION NUMBER: 60/113296 FILING DATE: 1998-12-22 APPLICATION NUMBER: 60/113605 APPLICATION NUMBER: 60/119549 FILING DATE: 1999-02-10 APPLICATION NUMBER: 60/123618 FILING DATE: 1999-03-19 APPLICATION NUMBER: 60/125775 FILING DATE: 1999-03-23 FILING DATE: 1999-03-29 APPLICATION NUMBER: 60/127887 FILING DATE: 1999-04-27 APPLICATION NUMBER: 60/131445 FILING DATE: 1999-04-28 APPLICATION NUMBER: 60/146222 FILING DATE: 1999-07-28 APPLICATION NUMBER: 60/146963 FILING DATE: 1998-11-03 APPLICATION NUMBER: 60/108787 APPLICATION NUMBER: 60/108801 FILING DATE: 1998-12-23 APPLICATION NUMBER: 60/113621 FILING DATE: 1998-12-23 CATION NUMBER: 60/115558 APPLICATION NUMBER: 60/115565 FILING DATE: 1999-01-12 APPLICATION NUMBER: 60/115733 PLICATION NUMBER: 60/126773 LING DATE: 1999-03-29 FILING DATE: 1999-06-22 APPLICATION NUMBER: 60/141037 APPLICATION NUMBER: 60/125259 APPLICATION NUMBER: 60/130232 APPLICATION NUMBER: 60/131022 APPLICATION NUMBER: 60/131270 APPLICATION NUMBER: 60/134287 FILING DATE: 1999-05-14 APPLICATION NUMBER: 60/140723 APPLICATION NUMBER: 60/131291 1998-11-17 1999-02-10 1999-04-05 1999-04-26 1999-04-27 1999-06-22 1999-06-23 1999-07-26 1999-04-21 1998-09-2 LING DATE: 1999-03-1 LING DATE: 1999-01-1999-01-LING DATE: ILING DATE: FILING DATE:

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R APPLICATION NUMBER: 60/090695
R FILING DATE: 1998-06-25
R FILING DATE: 1998-07-07
R FILING DATE: 1998-07-07
R APPLICATION NUMBER: 60/095302
R FILING DATE: 1998-09-04
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APPLICATION NUMBER: 60/097986
FILING DATE: 1998-08-26
APPLICATION NUMBER: 60/098544
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FILING DATE: 1998-09-11
APPLICATION NUMBER: 60/100385
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APPLICATION NUMBER: 60/095916
FILING DATE: 1998-08-10
APPLICATION NUMBER: 60/096146
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FILING DATE: 1998-09-10
                                                                                                                                        APPLICATION NUMBER: 60/069873
FILING DATE: 1997-12-17
APPLICATION NUMBER: 60/078910
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FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079728
FILING DATE: 1998-03-27
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FILING DATE: 1998-05-22
APPLICATION NUMBER: 60/089532
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APPLICATION NUMBER: 60/089538
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FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/099598
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FILING DATE: 1998-09-10
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APPLICATION NUMBER: 60/099812
                                                                           APPLICATION NUMBER: 60/064103
FILING DATE: 1997-10-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/084441
FILING DATE: 1998-05-06
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APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/096791
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                                                                                                                                                                                                                                        FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/079294
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APPLICATION NUMBER: 60/082804
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APPLICATION NUMBER: 60/090557
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APPLICATION NUMBER: 60/090691
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                                               ILING DATE: 1997-10-28
             PRICE 
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Sequence 236, Application US/10227883

Publication No. US20030073817A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Gerritsen, Mary

APPLICANT: Goddard, Audray

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Stephan, Jean-Philippe F.

APPLICA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV
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99.7%; Pred. No. 3.4e-120;
iive 0; Mismatches 1;
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PRIOR FILING DATE: 1999-08-03
PRIOR APPLICATION NUMBER: 60/149320
PRIOR FILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PILING DATE: 1999-08-17
PRIOR PLING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 60/16418
PRIOR APPLICATION NUMBER: 60/16418
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-11-16
PRIOR PILING DATE: 1999-12-07
PRIOR PAPLICATION NUMBER: 60/16945
PRIOR FILING DATE: 1999-12-07
PRIOR PAPLICATION NUMBER: 60/16945
PRIOR FILING DATE: 1999-12-07
PRIOR FILING DATE: 1999-12-07
PRIOR PAPLICATION NUMBER: 60/16945
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PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 60/059113
PRIOR APPLICATION NUMBER: 60/062287
PRIOR APPLICATION NUMBER: 60/062287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 99.7
Matches 326; Conservative
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PRIOR PELING DATE: 1998-09-15
PRIOR PELING APPLICATION NUMBER: 60/100627
PRIOR PELING DATE: 1998-09-15
PRIOR PELING DATE: 1998-09-16
PRIOR PELING DATE: 1998-09-18
PRIOR PELING DATE: 1998-09-18
PRIOR PELING DATE: 1998-09-18
PRIOR PELING DATE: 1998-09-24
PRIOR PELING DATE: 1998-10-38
PRIOR PELING DATE: 1998-10-38
PRIOR PELING DATE: 1998-10-30
PRIOR PELING DATE: 1998-11-17
PRIOR PELING DATE: 1998-11-17
PRIOR PELING DATE: 1998-11-23
PRIOR PELING DATE: 1998-10-30
PRIOR PELING DATE: 1999-01-12
PRIOR PELING DATE: 1999
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CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180
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APPLICANT: Bearoyers, Luc
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey,
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Smith, Victoria
APPLICANT: Smith, Victoria
APPLICANT: Stephan, Jean-Philippe F.
                        R FILING DATE: 1999-06-22

R APPLICATION NUMBER: 60/140723

R APPLICATION NUMBER: 60/141037

R APPLICATION NUMBER: 60/141037

R APPLICATION NUMBER: 60/14758

R FILING DATE: 1999-07-20

R FILING DATE: 1999-07-26

R FILING DATE: 1999-07-26

R FILING DATE: 1999-07-26

R APPLICATION NUMBER: 60/145698
                                                                                                                                                                                                                                                                                                                                                   R FILING DATE: 1999-07-28

R APPLICATION NUMBER: 60/146963

R APPLICATION NUMBER: 60/146963

R APPLICATION NUMBER: 60/149320

R FILING DATE: 1999-08-17

R FILING DATE: 1999-08-17

R FILING DATE: 1999-08-17

R FILING DATE: 1999-08-17

R APPLICATION NUMBER: 60/149638

R FILING DATE: 1999-08-17
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R APPLICATION NUMBER: 60/164418
R FILING DATE: 1999-11-09
R FILING DATE: 1999-11-16
R FILING DATE: 1999-11-16
R APPLICATION NUMBER: 60/16945
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Publication No. US20030078379A1
GENERAL INFORMATION:
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FILING DATE: 1999-12-07
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Best Local Similarity
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### Community | Part | 
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APPLICANT: Wood, William I.
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3530PLG2
CURRENT APPLICATION NUMBER: US/10/219,076
CURRENT PILING DATE: 2002-04-09
PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/06287
PRIOR FILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-09-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-38
PRIOR FILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-10-31
PRIOR PILING DATE: 1997-12-17
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-25
PRIOR PILING DATE: 1998-03-26
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NUMBER OF SEQ ID NOS: 246
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Pred. No. 3.4e-120;
0; Mismatches 1;
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Publication No. US2030078380A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
APPLICANT: Gerriteen, Mary
APPLICANT: Gerriteen, Mary
APPLICANT: Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 99.7
Matches 326; Conservative
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ORGANISM: Homo Sapien
US-10-219-076-236
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R APPLICATION NUMBER: 60/09816

R FILING DATE: 1998-09-10

R FILING DATE: 1998-09-10

R FILING DATE: 1998-09-11

R APPLICATION NUMBER: 60/100385

R FILING DATE: 1998-09-15

R RILING DATE: 1998-09-15

R APPLICATION NUMBER: 60/100390

R FILING DATE: 1998-09-15

R APPLICATION NUMBER: 60/100627

R APPLICATION NUMBER: 60/100627

R FILING DATE: 1998-09-16

R FILING DATE: 1998-09-18
                                                                R APPLICATION NUMBER: 60/099598
R PILING DATE: 1998-09-09
R FILING DATE: 1998-09-09
R APPLICATION NUMBER: 60/099803
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R APPLICATION NUMBER: 60/099811
R FILING DATE: 1998-09-10
R APPLICATION DATE: 1998-09-10
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R APPLICATION NUMBER: 60/101477
R APPLICATION NUMBER: 60/101738
R APPLICATION NUMBER: 60/101738
R APPLICATION NUMBER: 60/101738
R APPLICATION NUMBER: 60/101741
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R APPLICATION UNMBER: 60/101786

R FILING DATE: 1998-09-25

R APPLICATION NUMBER: 60/101916

R FILING DATE: 1998-09-24

R APPLICATION NUMBER: 60/101922

R FILING DATE: 1998-09-24
                 APPLICATION NUMBER: 60/098544
FILING DATE: 1998-08-31
APPLICATION NUMBER: 60/099596
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FILING DATE: 1999-01-12
APPLICATION NUMBER: 60/115565
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APPLICATION NUMBER: 60/106248
FILING DATE: 1998-10-29
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APPLICATION NUMBER: 60/106905
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APPLICATION NUMBER: 60/108787
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APPLICATION NUMBER: 60/108801
FILING DATE: 1998-11-17
APPLICATION NUMBER: 60/108849
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APPLICATION NUMBER: 60/123618
FILING DATE: 1999-03-10
APPLICATION NUMBER: 60/125259
FILING DATE: 1999-03-19
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APPLICATION NUMBER: 60/112422
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FILING DATE: 1998-12-22
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FILING DATE: 1998-12-23
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APPLICATION NUMBER: 60/119549
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RVAGALIGVLLISVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300 FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL 120 COVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV 180 RVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300 1 MABLIPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS MAELPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWS FVQPGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYL CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWV RIGTPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQG Gaps ö Length 327; Indels Query Match 99.5%; Score 1691; DB 14; Best Local Similarity 99.7%; Pred. No. 3.4e-120; Matches 326; Conservative 0; Mismatches 1; R FILING DATE: 1999-03-23

R APPLICATION NUMBER: 60/126773

R APLICATION NUMBER: 60/127887

R FILING DATE: 1999-04-05

R FILING DATE: 1999-04-18

R APPLICATION NUMBER: 60/131022

R FILING DATE: 1999-04-21 R FILING DATE: 1999-04-27
R APPLICATION NUMBER: 60/131445
RR FILING DATE: 1999-04-28
RR APPLICATION NUMBER: 60/134287
R APPLICATION NUMBER: 60/140650
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R APPLICATION NUMBER: 60/146963
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R APPLICATION NUMBER: 60/095916
R FILING DATE: 1998-08-10
R FILING DATE: 1998-08-11
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R FILING DATE: 1998-08-17
R APPLICATION NUMBER: 60/097986
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APPLICATION NUMBER: 60/106178
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APPLICATION NUMBER: 60/098544
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APPLICATION NUMBER: 60/100919
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APPLICATION NUMBER: 60/101477
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APPLICATION NUMBER: 60/106464
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CURRENT APPLICATION NUMBER: US/10/219,003
CURRENT FILING DATE: 2002-06-12
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PRIOR FILING DATE: 2002-04-09
PRIOR FILING DATE: 1997-01-17
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PRIOR APPLICATION NUMBER: 60/063549
PRIOR FILING DATE: 1997-10-28
PRIOR PRIOR DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/079294
PRIOR PRIOR DATE: 1998-03-20
PRIOR PRIOR DATE: 1998-03-26
PRIOR PRIOR DATE: 1998-03-27
PRIOR PRILING DATE: 1998-04-15
PRIOR PRILING DATE: 1998-04-15
PRIOR PRILING DATE: 1998-04-15
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Grinaldi, J. Christopher
Gurnay, Austin L.
Smith, Victoria L.
Stephan, Jean-Philippe F.
Watanabe, Colin L.
Wood, William I.
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R FILING DATE: 1998-06-24
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R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/090695
R FILING DATE: 1998-06-25
                                                                                                                                                              Sequence 236, Application US/10219003
Publication No. US20030088063A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Desnoyers, Luc
                                                                                                                                                                                                                                                                                   Desnoyers, Luc
Gerritsen, Mary
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121 CQVNNPPDFYTNGLGLINLTVLVPPSNPLCSQSGGTSVGGSTALRCSSSEGAPKPVYNWV 180

OY 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPGG 240

Db 181 RLGTFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPGG 240

OY 241 RVAGALIGVLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

OY 241 RVAGALIGVLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRA 300

OY 301 DSSKGFLERPSSASTVTTTKSKLPMVV 327

Db 301 DSSKGFLERPSSASTVTTTKSKLPMVV 327

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Human secreted protein sequence encoded by gene 13 SEQ ID NO:60.
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Scoring table:

Searched:

The polynucleotide sequences given in AAA39052 to AAA39088 encode the human secreted proteins given in AAB08891 to AAB08984. The human secreted proteins can have activities based on the tissues and cells they are professed in. Examples of the activities are: cytostatic; antipoliferative; immunosuppressive, antibacterial; and vulnerary. The secreted proteins and their related polynucleotide sequences are useful for diagnostic and therapeutic methods useful for diagnosing and treating such as immune system or proliferative Human, secreted protein; cytostatic; anti-proliferative; vulnerary; immunosuppressive; antibacterial; diagnosis; immune system; chemotaxis; hyperroliferative disorder; infectious disease; tissue regeneration; screening; food additive; preservative; wound healing; hyper-vascular disease; chromsome 11. <u>ب</u> 덮 Human secreted proteins and coding sequences useful in diagnostic therapeutic methods for disorders such as immune system or prolife Young PE, Lafleur DW, Claim 11; Page 359-360; 416pp; English disorders, related to the proteins.

> Novel Human Human

ADB85103 ADB78209 ADB87275

4DB83972

1677 1677 1677 1677 1677

ADB84857

ADB80832 ADB73373

Result Š. ADB78455

1677 1677

Novel Human

Novel

98US-0094983P

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disorders related to the secreted proteins. The proteins, and polymucleotide sequences may be useful for treating disorders of the immune system, hyperproliferative disorders, infectious disease, regeneration of tissues, for chemotaxis and for screening molecules that bind to the proteins. The proteins or polymucleotide sequences may be used as food additives or preservatives, to increase or decrease storage capabilities, fat content, lipid, protein, carbohydrate, vitamins, minerals, co-factors or other nutritional components. Agonists or antagonists of the proteins may be used to prevent scar tissue growth during wound healing, and hyper-vascular diseases. AAA39043 to AAA39051 and AAB08890 are sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inflammation; cardiovascular disease; anticancer; anti-inflammatory; antimication; notropic; neuroprotective; cardiovascular; hepatotropic; antimicathmatic; gene therapy; cell proliferation; neurological disorder; reproductive disorder; developmental disorder; arteriosclerosis; cartrhosis; psoriasis; acquired immune deficiency syndrome; anaemia; asthma; Crohn's disease; infection; Alzheimer's disease; schizophrenia; parkinson e disease; Huntington's diseases; ovulatory defect.
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                                                                                                                                                                                                                                                                                                           Length 327;
                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                       99.6%; Score 1678; DB 3; 99.7%; Pred. No. 5.7e-113; iive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                 Sequence 327 AA;
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98US-0090762P

26-JUN-1998;

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human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, cardiovascular and antiasthmatic activities, and can be acticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disoases include cell proliferation creproductive or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, creproductive or developmental disorders (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's diseases, schizophrenia, ovulatory defects, muscular dystrophy). HSPP conclete acids can be used for the recombinant production of HSPP, for detecting HSPP in standard hybridisation and amplification assays (for detecting related sequences or genetic or ribozyme therapeutic soft for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise (potential therapeutic agents). As are used to diagnose, or monitor, HSPP conceptive drug screens, and for purification of HSPP from natural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 120
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                                                                                                                                                                                                                                                        New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular
                                                                                                                 Baughn MR;
;, Hillman JL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
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H, Patterson C, Reddy R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
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                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 177-178; 327pp; English.
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Yue
                    98US-0102686P.
                                     98US-0112129P
                                                                                                                 /T, Gorgone
Au-Young J,
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N-PSDB; AAZ98136.
                                                                                                                   Tang YT,
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                                                                                                               Lal P, Tang
Akerblom IE,
                                     11-DEC-1998;
                    01-OCT-1998
                                                                                                                                                           Bandman O;
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Human protein, hydrophobic domain, nutritional source, haematopoiesis, cytokine production; cell proliferation; cell differentiation; minue deficiency; infectious disease, autoimmune disorder; asthma; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; allergic reaction; osteoporosis; osteoarthritis; periodontal disease; nervous system disorder; Alzheimer's disease; Parkinson's disease; Huntington's disease; liver fibrosis; lung fibrosis; reperfusion injury; systemic cytokine damage; tissue differentiation; contraceptive; stroke; coagulation disorder; myocardial infarction; inflammatory condition; septic shock; sepsis; ischaemia; reperfusion injury; arthritis; tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human proteins having hydrophobic domains useful for treating osteoporosis, Alzheimer's disease, Parkinson's disease, asthma, multiple sclerosis, rheumatoid arthritis, cancer, anemia, and stroke.
AAY94857 standard; protein; 327 AA.
                                                                                                                                                                                                                                                                                                                                          98JP-00208820.
98JP-00224105.
98JP-00238116.
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                                                                                                                                                                                                                                                                                                                                                                                            98JP-00275505,
                                                                                                                                                                                                                                                                                                                                                                                                                   (SAGA ) SAGAMI CHEM RES CENT. (PROT-) PROTEGENE INC.
                                                                        Human protein clone HP10568.
                                               (first entry)
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                                                                                                                                                                                                                       nephritis; therapy.
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                                                                                                                                                                                                                                                                      WO200005367-A2
                                                                                                                                                                                                                                               Homo sapiens.
                                                12-JUN-2000
                                                                                                                                                                                                                                                                                                                     22-JUL-1999;
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                                                                                                                                                                                                                                                                                             03-FEB-2000
                        AAY94857;
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This sequence represents a human protein of the invention, which has Claim 1; Page 183-184; 351pp; English.

This bequence trapersones a numban provent of the invention, which mass bydrophobic domains. The DNA sequences can be used as a probe or as a genetic marker. The protein can also be used as a marker, and to identify potential genetic disorders. The DNA and protein can also be used as so nutritional sources or supplements. The protein exhibits overly cell offerentiation activities and induces production of other cytokines in certain cell populations. The protein also exhibits immune stimulating or immune suppressing activity. It can be used in the treatment of various immune deficiencies and disorders, and to treat infections in gaused by viral, bacterial, fungal or other cinfections are acused by viral, bacterial, fungal or other.

Confictions are multiple sclerosis, systemic lupus erythematosus, and rheumatoid such as multiple sclerosis, systemic lupus erythematosus, and rheumatoid conditions such as asthma, and in inhe treatment of altergic reactions and consequently in the treatment of myeloid or lymphoid cell deficiencies. It is also used in compositions for tissue growth or deficiencies. It is also used in compositions for lymphoid cell of deficiencies. It is also used in compositions for tissue growth or conditions the protein is also used in the treatment of osteoporosis or osteoparthicits and in the treatment of periodontal disease and other conditions by the protein is used in the treatment of new consequent of nervous system disorders such as Alzheimer's disease, and Huntington's disease, They are useful for protection or regeneration and

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treatment of lung or liver fibrosis, reperfusion injury in various tissues, and conditions resulting from systemic cytokine damage. They are also used for promoting or inhibiting tissue differentiation. They are also used as contraceptives since they exhibit activin or inhibin related activities and as a fertility inducing therapeutic. They are used for treating various coagulation disorders and in treatment and prevention of conditions resulting from coagulation activities e.g. myocardial infarction or stroke. They also acts as receptors, receptor ligands or inhibitors or agonists of receptor/ligand interactions. They are used to treat inflammatory conditions such as septic shock, sepsis, ischaemia reperfusion injury, arthritis, and nephritis. They can be used to prevent
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                                                                                                                                                                                                                                                                       99.5%; Score 1677; DB 3; Length 327; 99.7%; Pred. No. 6.8e-113; ive 0; Mismatches 1; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KGFLERPSSASTVTTTKSKLPMVV 324
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99US-0144790P.
99US-0146843P.
99US-0148188P.
99US-0149320P.
99US-0149337P.
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                                                                                                                                                                                                                                                                                       Best Local Similary,
Matches 323; Conservative
                                                                                                                                                                                                                                   Sequence 327 AA;
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17-AUG-1999;
17-AUG-1999;
17-AUG-1999;
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Human polypeptide SEQ ID NO 2730.
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                                                                                                                                                                                                                                                                                          This sequence is a human PRO protein of the invention. The PRO proteins are secreted proteins. Antagonists or antibodies of PRO polypeptides are useful for diagnosing and treating tumours are associated with gene amplification, neoplastic cell growth and proliferation in mammals, and those conditions characterised by overexpression and/or activation of the amplified genes. Such conditions include benign or malignant tumours (e.g. renal, liver, kidney, bladder, breast, gastric, ovarian, colorectal, prostate, pancreatic, lung, vulval, thyroid, hepatic carcinomas, sarcomas, glioblastomas and various head and neck tumours); leukaemias and lymphoid malignancies; neutronal, glial, astrocytal, hypothalamic, and other glandular, macrophageal, epithelial, stromal and blastocoelic disorders; and inflammatory, anglogenic and immunologic disorders. These may further be used to qualitatively or quantitatively detect the expression of proteins encoded by the amplified genes, and in tumour diagnostics or prognostics. The PRO polypeptide or its antagonist or and in the reatment of a condition, which is responsive to the PRO polypeptide, its antagonist or
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                                                                                                                                                                                    Antibodies against PRO polypeptides, useful for diagnosing and treating tumors are associated with gene amplification, neoplastic cell growth and proliferation in mammals.
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                                                                                                       Watanabe CK,
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Pred, No. 6,8e-113;
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                                                                                                     Smith V,
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                                                                                                       Gurney AL,
                                                                                                                                                                                                                                                              Claim 61; Fig 12; 143pp; English.
99US-0150114P.
99US-0151700P.
99US-0151734P.
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Matches 323; Conservative
                                                                                                    Goddard A,
                                                                   (GETH ) GENENTECH INC
                                                                                                                                      WPI; 2001-071075/08.
N-PSDB; AAA91019.
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20-AUG-1999;
31-AUG-1999;
31-AUG-1999;
                                                                                                     Botstein DA,
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ABB90354 standard; protein; 327

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ABB90354;

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The invention relates to novel genes (ABL89449-ABL90853) and proteins (ABB89040-ABB90444) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. I mucleic acids, proteins, antibodies and (ant) agonists are useful in the disposis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune cancers e.g. Addison's dispesse, allergies, autoimmune haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, cardiovascular disorders such as myocardial ischaemias; (d) wound healing (e.g. neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases such as viral, bacterial, fungal and parasitic infectious diseases such as viral, bacterial, fungal and parasitic infections. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral; antiallergic; heparotropic; antidiabetic; antiinflammatory; antiulcer; vulnerary; anticonvulsant; antidacterial; antifungal; antiparasitic; cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder; neurological disease; infection; human; secreted protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel 1405 isolated polypeptides, useful for diagnosis, treatment and prevention of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative
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Pred. No. 6.8e-113;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rosen CA;
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                                                                                                                                                                                                                       Homo sapiens,
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Sequence 327 AA;
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             One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for treating a PRO related disorder and for diagnosing tumors such as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or liver tumor.
     GALIGVLIGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                  Human; secreted protein; PRO; tumour; lung cancer; colon cancer; breast cancer; prostate tumour; rectal tumour; liver tumour; pericyte cell proliferation; chondrocyte cell proliferation; tumour necrosis factor-alpha.
                                 KGFLERPSSASTVTTTKSKLPMVV 324
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 11; Fig 236; 359pp; English
                                                                                                                                   Human PRO protein, Seg ID No 236.
                                                                                      AAU83709 standard; protein; 327
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2000US-0220607P.
2000US-0220624P.
2000US-0220638P.
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2000US-0220666P.
2000US-0220893P.
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2000US-0227133P
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2000WO-US030873
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Grimaldi JC, Gurney AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GETH ) GENENTECH INC.
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22-AUG-2000;
23-AUG-2000;
24-AUG-2000;
10-NOV-2000;
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20-DEC-2000;
20-DEC-2000;
28-FEB-2001;
                                                                                                                                                                                         Homo sapiens
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25-MAY-2001;
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22-MAR-2001;
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                                                                                                      AAU83709;
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The invention relates to one hundred and twenty two nucleic acids encoding PRO polypeptides. The sequences of the 122 PRO polypeptides. The sequences of the 122 PRO polypeptides are useful for treating a PRO related disorder. The PRO polypeptides are useful for treating a PRO related disorder. The PRO polypeptides are useful for treating tumours, especially lung cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or liver tumour. The PRO polypeptides are useful for stimulating the proliferation of, or gene expression, in periory cells, for stimulating the proliferation of differentiation of convent human blood, or stimulating the proliferation of more albeit from human blood, or stimulating or inhibiting the proliferation of normal human dermal fibroblast cells. The PRO polypeptide may also be used as molecular weight markers and for tissue typing. The PRO nucleic acids have applications in molecular bloody, including use as hybridisation probes, and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO protein sequences of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GALIGVILGVILLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    244 GALIGVILGVILSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 327;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 1677; DB 5;
Pred. No. 6.8e-113;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KGFLERPSSASTVTTTKSKLPMVV 324
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99.5%;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
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Best Local Similarity 99.7°
Matches 323, Conservative
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colon tumour; breast tumour; prostate tumour; rectal tumour; liver tumour; bone disorder; cartilage disorder; sports injury;
                                                                                                                                                                                                                         Baker KP, De
Grimaldi JC,
                                                   Homo sapiens
                                                                                                 06-MAR-2003,
  셤
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                                                                                                                                                                                             The present invention relates to the isolation of novel human PRO polypeptides, and the polynuclectide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides and polymuclectides are useful for preparing a medicament useful in the diagnostic assays for PRO, by detecting its expression in specific calls, tissues or serum, and for affinity purification of PRO from recombinant call culture or natural sources. ABU80739-ABU80860 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
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                                      Godowski PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; secreted and transmembrane protein; PRO; cytostatic; antiatrbitic; osteopathic; gene therapy; TNF-Agonist-Alpha; chondrocyte stimulator; pericyte stimulator; fibroblast modulator; pharmaceutical; diagnostic, biosensor; bioreactor; tumour; lung tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  LPGPPLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
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                                                                                                                      One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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0
                                          Goddard A, Goucanna TF. Watanabe CK,
                                                                                                                                                                                                                                                                                                                                                                           Length 327;
                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human secreted and transmembrane protein PRO7154.
                                                Gerritsen ME, Goddard 1
Smith V, Stephan JF,
                                                                                                                                                                                                                                                                                                                                                                         Score 1677; DB 6;
Pred. No. 6.8e-113;
0; Mismatches 1;
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                                                                                                                                                                          Claim 11; Fig 236; 314pp; English.
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 09-APR-2002; 2002US-00119480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 99.7
Matches 323; Conservative
                                               Desnoyers L,
                        (GETH ) GENENTECH INC
                                                                                     WPI; 2003-342045/32.
                                                                                                 N-PSDB; ACA66958
                                                                                                                                                                                                                                                                                                                                                  Sequence 327 AA;
                                               Baker KP, Der
Grimaldi JC,
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The invention describes an isolated nucleic acid molecule comprising a sequence with at least 80% identity to: (a) a nucleotide encoding any of 122 PRO (secreted and transmembrane) polypeptides whose sequences are fully defined in the specification; or (b) any of 122 nucleotide eccide tilly defined in the specification; or (b) any of 122 nucleotide equences having e.g. 4834, 2504 or 1759 bp fully defined in the sequences. The PRO polypeptides or polymcleotides are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These are concludarly useful for detecting tumours, or liver tumour; clon a mammal, for stimulating the release of TNF-alpha from human blood, in a mammal, for stimulating the release of TNF-alpha from human blood, correctly tumours are simulating proliferation or differentiation of chondrocyte cells, for stimulating proliferation of pericyte cells, or for modulating normal human dermal fibroplast proliferation. The PRO nucleic acid or corrilage disorders (e.g. sports injuries or arthritis), or wounds. The PRO polypeptides are useful in drug screening, particularly as targets of the presence of these diseases. The PRO polypeptides are useful as molecular weight markers, or for chromosome calso useful as molecular weight markers, or for chromosome calso useful set based in gene therapy, particularly for replacing a defective calso be used in gene therapy, particularly for replacing and effective corremnmentation of human cDNA, genomic DNA or mRNA. The PRO genes may exceed in gene therapy, particularly for replacing and effective corremnmentation acid sequence of a novel human secreted and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New genes, and its encoded secreted and transmembrane polypeptides, useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or pericyte proliferation, especially for treating lung tumors, arthritis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Godowski PJ;
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Pred. No. 6.8e-113;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gerritsen ME, Goddard
Smith V, Stephan JF,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 11; Fig 236; 314pp; English.
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Desnoyers L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
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Best Local Similarity
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arthritis; wound
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Gaps

ö 327;

1; Indels Length

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1 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ
                                                                                                             LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVO
                                       Score 1677; DB 6;
Pred. No. 6.8e-113;
0; Mismatches 1;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                        99.5%;
                                                                   Matches 323; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PRO7154 protein.
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                                                      Similarity
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               Sequence 327 AA;
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Grimaldi JC,
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                                                                                               GALIGVILGVELLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303
                                                                                                                                                                                                                                                                                                                                                            antiangiogenic; hypotensive; vulnenry; antiarteriosclerotic; gene therapy; cardiovascular disorder; endothelial disorder; angiogenic disorder; cardiac hypertrophy; trauma; cancer; age-related macular degeneration; atherosclerosis; hypertrension; arterial restenosis; rheumatoid arthritis; angina; myocardial infarction; thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma; wound healing; chromosome mapping; gene mapping.
NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
                                         TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTVRCVATNQMGSASCELTLSVTEPSOGRVA 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Encoding novel human secreted and transmembrane (PRO) polypeptides. The PRO nucleic acids, polypeptides, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, agerelated macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, agina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A, Godowski PJ;
Watanabe CK, Wood WI;
                                                                               GALIGVLLGVLLLSVAAFCLVRPQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS
                                                                                                                                                                                                                                                                                                                                                  secreted and transmembrane protein; PRO; cardiant; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention describes one hundred and eighty seven nucleic acids
                                                                                                                                                                                                                                                                                                                     Novel human secreted and transmembrane protein PRO7154.
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Smith V, Stephan JF,
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                                                                                                                                      KGFLERPSSASTVTTTKSKLPMVV 324
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                                                                                                                                                                                                                                   ABU82165 standard; protein; 327
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2001WO-US021066.
2002US-00119480.
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29-JUN-2001;
09-APR-2002;
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123
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                                                                                                                                                                                         124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 183
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           GALIGVILGVILLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        244 GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 303
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Smith V, Stephan JF, Watanabe CK, Wood WI;
PGKPISESHPILYPTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
                                PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte; differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
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stimulating proliferation or gene expression in pericyte cells or the release of TNR-alpha from human blood. Other possible uses include the stimulation or inhibition of chondrocyte proliferation or differentiation, the stimulation of human dermal fibroblast cell proliferation and the detection of the presence of a tumour whihin a mammal. Furthermore, the nucleic acid may be useful for the manufacture of a medicament for diagnosing or treating a tumour within a mammal or for measuring or detecting the expression of an associated gene, as well as during gene therapy. The current sequence is that of the human PRO protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTABLTCTYSTSVGDSFALEWSFVQ 63
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Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                            Score 1677; DB 6;
Pred. No. 6.8e-113;
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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                                                                                                                                                                                                                                                                                                                                                               99.5%;
99.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                Matches 323; Conservative
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                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   dermal fibroblast.
                                                                                                                                                                                                                                                                                                      Sequence 327 AA;
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Grimaldi JC,
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                                                                                                                                      The invention relates to a novel isolated PRO protein encoding nucleic acid. The nucleic acid of the invention may be useful for preparing PRO polygeptides and anti-PRO antibodies for detecting the presence of a tumour in a mammal. Furthermore, the molecules of the invention may be useful for stimulating proliferation or gene expression in pericyte cells, the release of tumour necrosis factor (TNF)-alpha from human blood, the proliferation or differentiation of chondrocyte cells and for inhibiting the proliferation of normal human dermal fibroblast cells. Finally, the molecules may be utilised during gene therapy. The current sequence is that of the human PRO protein of the invention
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                            New PRO protein encoding nucleic acid, useful for preparing PRO polypeptides and anti-PRO antibodies for detecting the presence tumor in a mammal.
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human dermal fibroblast stimulation; tumour; tissue typing;
affinity purification.
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99.7%; Pred. No. 6.8e-113;
live 0; Mismatches 1;
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                                                                                                           Claim 11; Fig 236; 324pp; English.
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Matches 323; Conservative
WPI: 2003-503301/47
                  N-PSDB; ABT44626
                                                                                                                                                                                                                                                                                                                    Sequence 327 AA;
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membrane bound protein; membrane bound

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One hundred and twenty two nucleic acids encoding PRO polypeptides, useful for the manufacture of a medicament for diagnosing or treating
                           Human membrane bound receptor/protein PRO7154 amino acid sequence.
                                                                                  cell proliferation; cell migration; cell differentiation; mitogenic factor; survival factor; oytotoxic factor; differentiation factor; neuropeptide; hormone; cell receptor; receptor-ligand interaction; cytostatic; chondrocyte; tumour.
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02-MAR-2000; 2000WO-US005841.
01-JUN-2001; 2001WO-US017800.
                                                                                                                                                                                                                                                                                                         29-AUG-2002; 2002US-00232224
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09-APR-2002; 2002US-00119480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                             US2003065147-A1.
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Grimaldi JC,
                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                   28-JUL-1999;
                                                                 Human; PRO;
                                                                                                                                                                                                                                                                   03-APR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tumor.
        The invention relates to an isolated nucleic acid encoding a PRO
Dolypeptide. Nucleic acids that encode PRO can be used to generate either
Transgenic animals or knock-out animals useful in developing and
screening of therapeutically useful reagents. The nucleic acids may also
be used in gene therapy for replacing defective gene, in chromosome
clentification, as chromosome markers, or in generating probes to isolate
full length PRO cDNA. The PRO polypeptides are useful for chondrocyte
stimulation, TNF-alpha stimulation, human dermal fibroblasts stimulation
and for detecting the presence of tumour in an mammal. The PRO
and for detecting the presence of tumour in an mammal. The PRO
polypeptides are useful as molecular markers for protein electrophoresis
and the isolated nucleic acids may be used for recombinantly expressing
those markers. The PRO polypeptides are useful in diagnostic assays for
issue typing. Anti-PRO antibodies are useful in diagnostic assays for
PRO and in affinity purification of PRO from recombinant cell culture or
natural sources. The present sequence represents the amino acid sequence
of a human secreted/transmembrane PRO polypeptide
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                                                                                                                        Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              64 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 TFPTPSPGSMVQDEVSGQLILINLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               244 GALIGVLLGVLLGVAAFCLVRFQKERGKKPKETYGGSDLREDALAPGISEHTCMRADSS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
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                                                                                                                                                                                                                                          New transmembrane polypeptides and nucleic acids encoding the polypeptides, useful in gene therapy, in chromosome identification, chromosome markers, or in generating probes.
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99.7%; Pred. No. 6.8e-113;
iive 0; Mismatches 1;
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01-JUN-2001; 2001WO-US017800.
29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                                                                      Desnoyers L,
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Best Local Similarity 99.7
Matches 323; Conservative
                                                                                (GETH ) GENENTECH INC.
                                                                                                                                                                                 WPI; 2003-492274/46.
                                                                                                                                                                                                      N-PSDB; ACD82293.
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                                                                                                                                         Grimaldi JC,
                                                                                                                        Baker KP,
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Gerritsen ME, Goddard A, Godowski ÞJ; Smith V, Stephan JF, Watanabe CK, Wood WI;

Desnoyers L, I, Gurney AL,

99US-0146222P

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This invention relates to one hundred and twenty two novel nucleic acids encoding human PRO membrane bound proteins or receptors. Extracellular proteins play important roles in the formation, differentiation and maintenance of multicellular organisms. The fate of many individual cells confirmation received from or differentiation) is typically governed by information received from orther cells and the immediate environment. The information is often transmitted by secreted cenvironment. The information is often transmitted by secreted proteins (for example mitogenic factors, survival factors, cytotoxic factors, differentiation factors, neuropeptides and hormones) which are received and interpreted by diverse cell receptors or membrane bound proteins and receptors may be of use as proteins. These membrane bound proteins and receptors may be of use as comparance of novel human membrane bound receptors and proteins, along with the CDNA sequences encoding them. The novel proteins along with the cDNA sequences encoding them. The novel proteins of the invention may be useful for the chondrocytes. The nucleic acids of the invention may be useful for the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   manufacture of a medicament for diagnosing or treating a tumour in a mammal. In addition, they may be useful for measuring or detecting the expression of a tumour associated gene. The present sequence is the amino acid sequence of a human PRO protein of the invention
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Pred. No. 6.8e-113;
0; Mismatches 1;
Claim 11; Fig 236; 315pp; English.
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99.7%;
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Best Local Similarity 99.7
Matches 323; Conservative
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ABJ72175 standard; protein; 327

RESULT 13 ABJ7217 16-OCT-2003 (first entry)

ABJ72175;

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304 KGFLERPSSASTVTTTKSKLPMVV 327
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Matches 323; Conservative
                                                                                                                                                                                                                                                                                                                                                                Sequence 327 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention describes an isolated PRO (secreted and transmembrane) polypeptide (I). PRO982, PRO1160 PRO1187 or PRO1329 polypeptide are useful for stimulating the proliferation of or gene expression in pericyte cells. PRO357, PRO229, PRO1272 or PRO4405 polypeptide are useful for stimulating the proliferation or differentiation of chondrocyte cells. PRO321, PRO325, PRO1155, PRO1366 or PRO1419 polypeptide are useful for stimulating the release of tumour necrosis factor (TNP)-alpha from human blood. PRO982, PRO357, PRO725, PRO1306, PRO1419, PRO214, PRO247, PRO337, PRO526, PRO363, PRO511, PRO1083, PRO640, PRO1080,
                                                                                                                                                303
                                                                               GALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGGSDLREDAIAPGISEHTCMRADSS 300
                                                                                                                                                                                                                                                                                                                                                                       human; secreted and transmembrane protein; PRO; cytostatic; vulnerary; antiarthritic; pericyte cell proliferation; pericyte cell differentiation; chondrocyte cell proliferation; chondrocyte cell differentiation; tumour necrosis factor alpha release; (TNP)-alpha release; dermal fibroblast cell proliferation; dermal fibroblast cell differentiation inhibitor; tumour; lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour; lissue typing; chromosome mapping; gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                TFPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNQMGSASCELTLSVTEPPQGRVA
             NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG
                           124 NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG
                                                                                                                                      New PRO polypeptides and nucleic acids encoding the polypeptides, in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                                                                                                                                 Novel human secreted and transmembrane protein PRO7154.
                                                                                                                                                                       KGFLERPSSASTVTTTKSKLPMVV 324
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29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
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C, Gurney
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Grimaldi JC,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human secreted and transmembrane protein PRO7154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.5%; Score 1677; DB 7;
99.7%; Pred. No. 6.8e-113;
live 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADB60832
IID ADB8
XX ADB
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KW CHON
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dermal fibroblast cell differentiation inhibitor; tumour; lung tumour;
       colon tumour, breast tumour, prostate tumour, rectal tumour,
liver tumour, tissue typing, chromosome mapping, gene mapping;
                                                                                                                                                                                                                                                                                                                                                                                                    transmembrane PRO polypeptide
                                                                                   29-JUN-2001; 2001WO-US021066.
09-APR-2002; 2002US-00119480.
                                                                 13-AUG-2002; 2002US-00219481
                                                                             01-JUN-2001; 2001WO-US017800.
                                                                                                                 Baker KP, Desnoyers L,
Grimaldi JC, Gurney AL,
                                                                                                    (GETH ) GENENTECH INC.
                                                                                                                                   WPI; 2003-657982/62.
N-PSDB; ADB80831.
                                        US2003088068-A1
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 327 AA;
                              Homo sapiens
                 gene therapy
                                                     08-MAY-2003
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The invention describes an isolated PRO (secreted and transmembrane)
CC polypeptide (I) PRO982, PRO1167 or PRO1187 or PRO1329 polypeptide are
useful for stimulating the proliferation of or gene expression in
Dericyte cells. PRO357, PRO225, PRO1272 or PRO4165 polypeptide are
CG of stimulating the proliferation of differantiation of chondrocyte
cells. PRO311, PRO357, PRO725, PRO1130, PRO1149 polypeptide
cells. PRO311, PRO357, PRO725, PRO1160, PRO1160, PRO1160,
Alpha from human blood PRO982, PRO3157, PRO175, PRO1130, PRO1141, PRO1167,
CC are useful for stimulating the release of tumour necrosis factor (TNF)-
alpha from human blood PRO982, PRO3157, PRO175, PRO1130,
PRO126, PRO1181, PRO3156, PRO1185, PRO1181, PRO1181, PRO1181, PRO1181,
PRO1275, PRO1181, PRO1165, PRO1180, PRO1181, PRO1181, PRO1181,
PRO1286, PRO1181, PRO1186, PRO1180, PRO1181, PRO1181, PRO1181,
PRO1286, PRO1181, PRO1181, PRO1181, 
Gerritsen ME, Goddard A, Godowski PJ;
Smith V, Stephan JF, Watanabe CK, Wood WI;
                                                                                                                                                                                                                                                                                                                                    One hundred and twenty two nucleic acids encoding PRO polypeptides, useful in gene therapy, chromosome identification, tissue typing, or as hybridization probes in chromosome and gene mapping.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 11; Fig 236; 305pp; English
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Gaps ö

Score 1677; DB 7; Length 327; Pred. No. 6.8e-113; 0; Mismatches 1; Indels 0

99.5%;

Query Match Best Local Similarity 99.7 Matches 323; Conservative

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                                                                                                                       NNPPDFYTNGLGLINLTVLVPPSNPLCSQSGQTSVGGSTALRCSSSEGAPKPVYNWVRLG 180
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                4 LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQ 63
LPGPFLCGALLGFLCLSGLAVEVKVPTEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVO
                                                            PGKPISESHPILYFTNGHLYPTGSKSKRVSLLQNPPTVGVATLKLTDVHPSDTGTYLCQV
                                                                             TPPTPSPGSMVQDEVSGQLILTNLSLTSSGTYRCVATNOMGSASCELTLSVTEPPQGRVA
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